

August 17, 2005

Peter Van Alyea  
Redwood Oil Company  
455 Yolanda Avenue, Suite 200  
Santa Rosa, CA 95404

Ground Water Monitoring Report  
June 2005  
Redwood Oil Service Station  
1100 Bennett Valley Road  
Santa Rosa, California  
ECM Project #98-511-14

Dear Mr. Van Alyea:

This report provides the results of the quarterly ground water monitoring at the Redwood Oil Service Station located at 1100 Bennett Valley Road in Santa Rosa, California (Figure 1, Appendix A). On June 27 and 28, 2005, ECM personnel visited the site. Ground water elevations were measured and ground water samples were collected from the thirteen conventional monitoring wells (MW-4 through MW-14, MW-16, and MW-17) and each sample port in the multi-level monitoring well (MW-15). The well locations are shown on Figure 2 (Appendix A). A domestic well located at 1020 Bennett Valley Road was also sampled on June 27, 2005. The domestic well was resampled on July 25, 2005.

Ground water levels were measured in all monitoring wells. Wells were also checked for the presence of free-phase hydrocarbons. Free-phase hydrocarbons were not observed in any of the wells. Wellheads and well vaults were observed to be in good condition. Water level data is shown in Table 1 (Appendix B) and a ground water elevation contour map is included as Figure 2 (Appendix A).

The ground water samples were forwarded under chain of custody record to Friedman and Bruya Inc. of Seattle, Washington for analysis. Analytical results for ground water are included in Table 2 (Appendix B). Ground water samples were collected in accordance with ECM Standard Operating Procedure - Ground Water Sampling (Appendix E). The chain of custody document and laboratory analytical report are included as Appendix C. Water sampling data sheets are included in Appendix D. Purge water and decon rinseate were transferred to an ROC holding tank for proper disposal.

Monitoring wells at the site have consistently been impacted by gasoline, diesel, BTEX constituents, and MTBE. Analytical results for this sampling event were typical of results for previous sampling events. Ground water flow was to the west at an approximate gradient of 0.005 - 0.01 ft/ft.

Wells MW-4 through MW-7 represent the most impacted area of the site due to their proximity to the former USTs. Contaminant concentrations were relatively high in the samples from wells MW-4, MW-6 and MW-7, and were typical of previous sampling events. Samples from well MW-5 have been consistently heavily impacted with gasoline, diesel, BTEX compounds, and the oxygenates MTBE and TBA.

Wells MW-8 and MW-9 are located south of the site. Contaminant concentrations for samples from MW-8 and MW-9 have typically been low or below detection limits. Contamination in samples collected from MW-8 and MW-9 during the June sampling event increased slightly from previous sample results.

Wells MW-10, MW-11, and MW-12 are located to the west of the site. Analytical results for samples from MW-10 and MW-11 have consistently been low or below detection limits for all contaminants of concern. Contaminant concentrations in the sample from MW-10 and MW-11 were consistent with previous results.

Samples from MW-12 have fluctuated from high concentrations to concentrations below detection limits. Samples collected during this event contained significant concentrations of gasoline and BTEX compounds. High contaminant concentrations appear to correlate to periods of elevated ground water. Concentrations in samples from this monitoring event were consistent with this trend. Future monitoring events may help to confirm the trend.

Well MW-13 is located north of the site. Results for this quarter were higher than recent monitoring events for gasoline, BTEX compounds, and TBA in the sample from MW-13. No diesel or MTBE was detected in the sample. After decreasing significantly, contaminant concentrations returned to previously high levels for gasoline and BTEX constituents.

Well MW-14 is located to the west of the site. Analytical results for samples from MW-14 have typically been moderate to high for gasoline, diesel, and BTEX constituents. Results for this sampling event were consistent with historical results.

Well MW-15 is installed to a depth of 150 ft bgs and contains four sample ports (30 - 40 ft, 60 - 70 ft, 83 - 93- ft, and 140 - 150 ft). Samples collected from each sample port were significantly impacted with gasoline, BTEX compounds, and MTBE. Samples from the 30 - 40 ft and 140 - 150 ft sample ports were significantly impacted with diesel and TBA. Well MW-15 was installed in April, 2005 and is scheduled for quarterly monitoring. Future monitoring events will further characterize contamination in the deep zones.

Wells MW-16 and MW-17 were installed in April, 2005 to evaluate groundwater in the 30 - 40 ft zone downgradient of the site. Low levels of contamination were detected in the initial samples collected in May, 2005. Samples collected during the June sampling event showed increased

concentrations of gasoline and BTEX compounds. Future monitoring events will allow characterization of the 30 - 40 ft zone.

A domestic well at 1020 Bennett Valley Road was sampled on June 27, 2005. Trace concentrations of Benzene and Toluene were reported in the samples. The well was resampled on July 25, 2005 to verify the initial samples. No contaminants of concern were reported in the sample collected on July 25.

This site has a ground water extraction and treatment system for remediation of impacted ground water. The system extracts ground water through three extraction wells, labeled EX-1, EX-2, and EX-3 on Figure 2, Appendix A. The system was off during the first two quarters of 2005 for final modifications and permit approval. The system has been reconfigured to handle free-phase product captured by the extraction system. Free-phase product was observed in the system transfer tank during the summer of 2004. The remediation system was reactivated on July 5, 2005 and has operated continuously since activation.

Thank you for the opportunity to provide services to Redwood Oil Company. Please call if you have any questions.

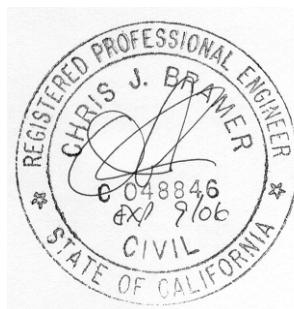
Sincerely,  
ECM Group



David Hazard



Chris Bramer  
Professional Engineer #C048846



- Attachments:
- A - Figures
  - B - Tables
  - C - Chain of Custody Document and Lab Analytical Reports
  - D - Water Sampling Data Sheets
  - E - Standard Operating Procedure

cc: Joan Fleck, North Coast Regional Water Quality Control Board  
C:\ECMQMS\51104QMJun05

**APPENDIX A  
FIGURES**

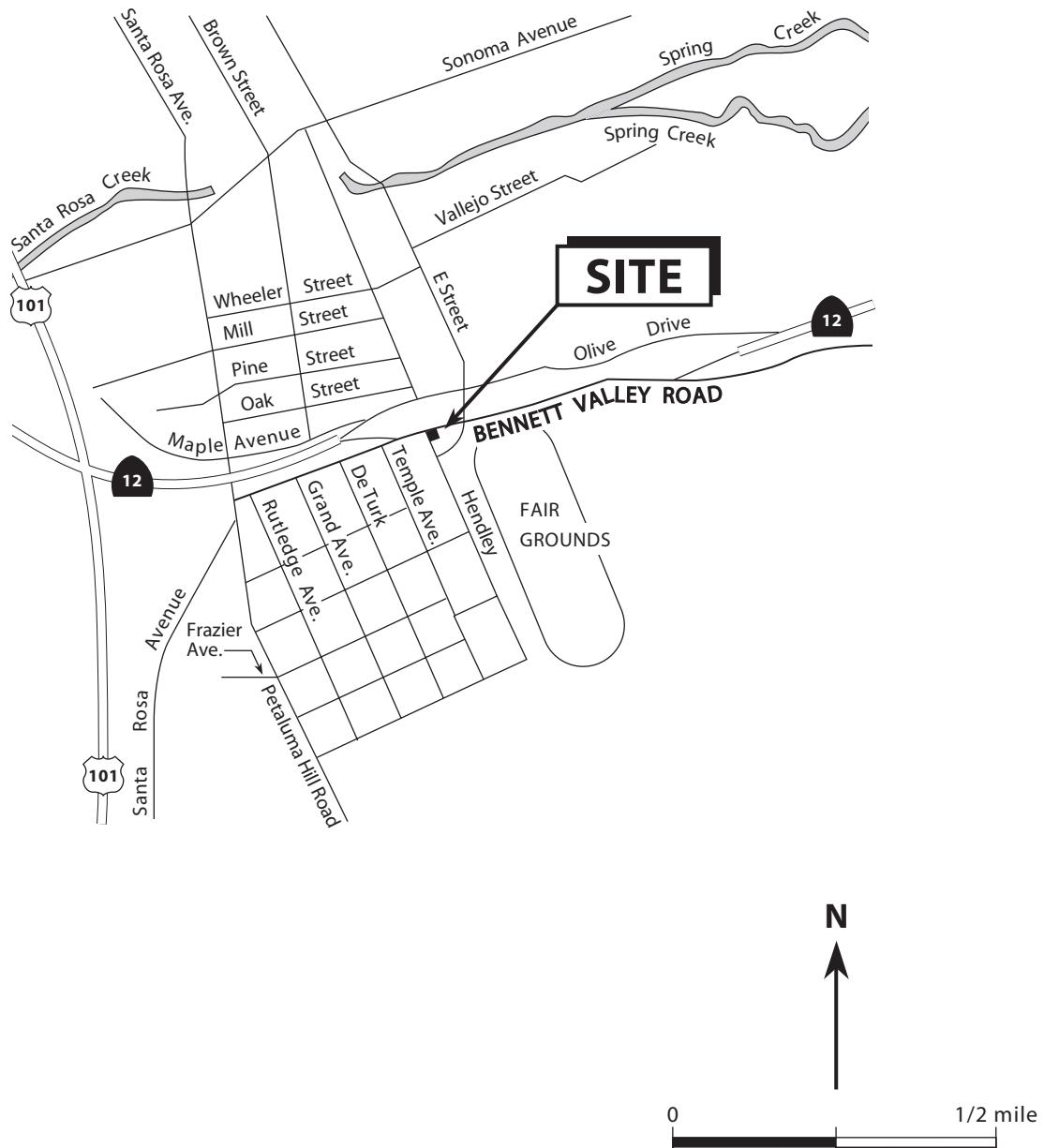


Figure 1. Site Location Map – Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

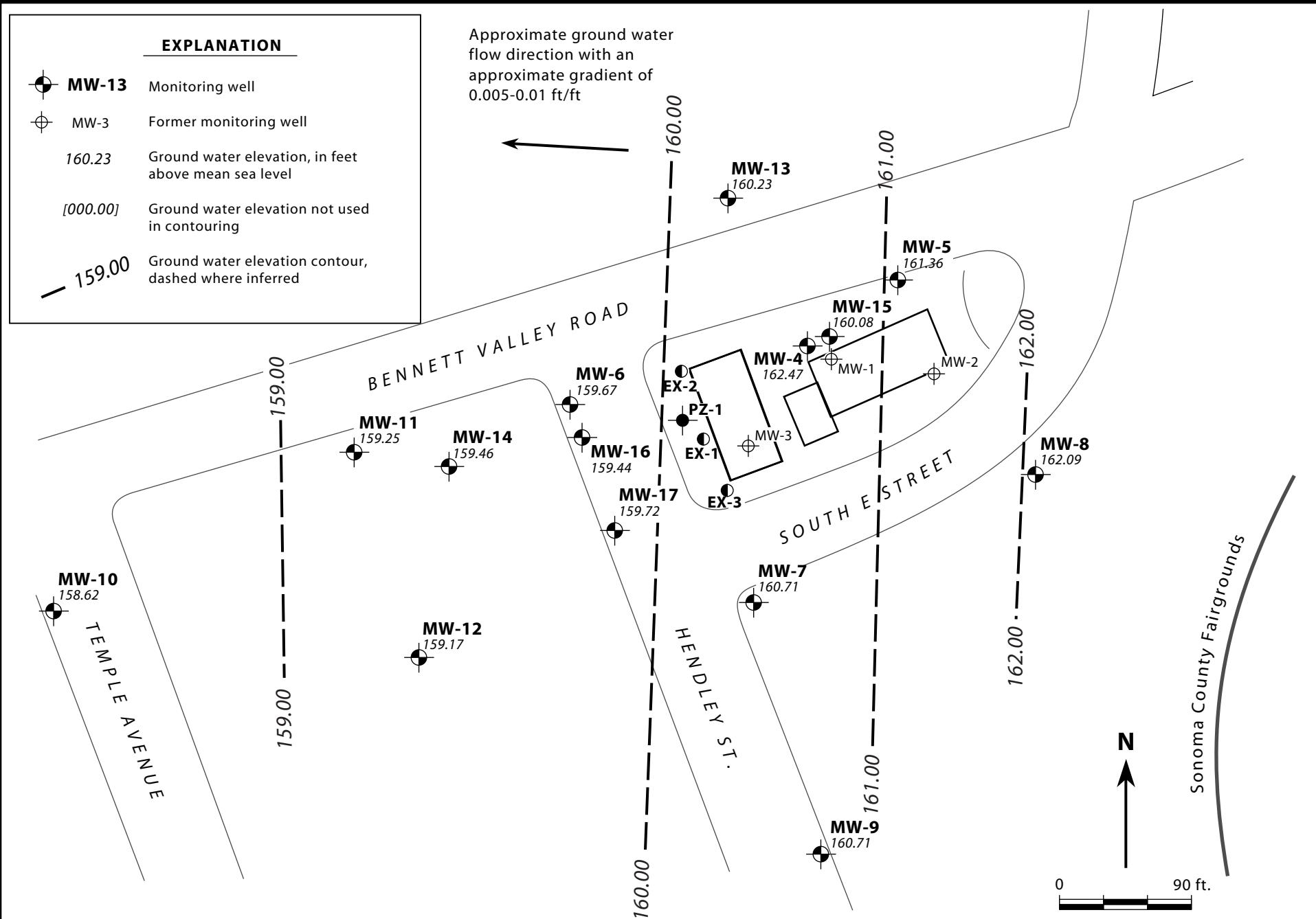


Figure 2. Monitoring Well Locations and Ground Water Elevation Contour Map - June 27, 2005 - Redwood Oil Service Station #106, 1100 Bennett Valley Road, Santa Rosa, California

**APPENDIX C**  
**LABORATORY ANALYTICAL RESULTS AND CHAIN OF CUSTODY RECORD**

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Date	TOC (Ft,msl)	DTW (Ft)	GWE (Ft,msl)	Screen Interval	Sand Pack Interval	Bentonite Interval	Notes
MW-4	9/18/1998	165.15	5.95	159.20	5-20	4-20	0-4	
	1/4/1999		7.12	158.03				
	3/10/1999		4.37	160.78				
	10/1/1999		7.73	157.42				
	1/5/2000		8.70	156.45				
	3/29/2000		4.88	160.27				
	7/11/2000		7.60	157.55				
	9/29/2000		8.11	157.04				
	12/7/2000		8.52	156.63				
	3/6/2001		6.60	158.55				
	6/21/2001		7.05	158.10				
	9/18/2001		8.47	156.68				
	12/19/2001		7.05	158.10				
	3/20/2002		4.50	163.21				
	6/20/2002	167.71	6.18	161.53				Surveyed for EDF compliance.
	9/20/2002		7.68	160.03				
	12/31/2002		3.42	164.29				
	3/25/2003		4.80	162.91				
	7/1/2003		5.76	161.95				
	10/2/2003		7.61	160.10				
	12/9/2003		7.80	159.91				
	3/2/2004		4.12	163.59				
	6/8/2004		7.00	160.71				
	6/28/2004		7.37	160.34				
	9/9/2004		8.71	159.00				
	12/28/2004		7.84	159.87				
	3/29/2005		3.60	164.11				
	6/27/2005		5.24	162.47				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Date	TOC (Ft,msl)	DTW (Ft)	GWE (Ft,msl)	Screen Interval	Sand Pack Interval	Bentonite Interval	Notes
MW-5	9/18/1998	165.22	7.62	157.60	5-20	4-20	0-4	
	1/4/1999		7.61	157.61				
	3/10/1999		4.29	160.93				
	10/1/1999		8.70	156.52				
	1/5/2000		9.28	155.94				
	3/29/2000		5.27	159.95				
	7/11/2000		7.47	157.75				
	9/29/2000		9.05	156.17				
	12/7/2000		8.04	157.18				
	3/6/2001		5.40	159.82				
	6/21/2001		7.95	157.27				
	9/18/2001		9.45	155.77				
MW-5	12/19/2001	167.79	5.60	159.62				
	3/20/2002		4.85	162.94				
	6/20/2002		7.21	160.58				Surveyed for EDF compliance.
	9/20/2002		9.01	158.78				
	12/31/2002		4.35	163.44				
	3/25/2003		5.15	162.64				
	7/1/2003		7.00	160.79				
	10/2/2003		9.00	158.79				
	12/9/2003		8.60	159.19				
	3/2/2004		4.58	163.21				
	6/8/2004		8.18	159.61				
	6/28/2004		9.09	158.70				
	9/9/2004		10.32	157.47				
MW-5	12/28/2004	161.36	7.19	160.60				
	3/29/2005		4.10	163.69				
	6/27/2005		6.43	161.36				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Date	TOC (Ft,msl)	DTW (Ft)	GWE (Ft,msl)	Screen Interval	Sand Pack Interval	Bentonite Interval	Notes
MW-6	9/18/1998	163.49	8.50	154.99	5-20	4-20	0-4	
	1/4/1999		7.88	155.61				
	3/10/1999		3.97	159.52				
	10/1/1999		9.65	153.84				
	1/5/2000		9.70	153.79				
	3/29/2000		5.91	157.58				
	7/13/001		---	---				Monitoring well was inaccessible
	9/29/2000		9.73	153.76				
	12/7/001		---	---				Monitoring well was inaccessible
	3/6/2001		4.37	159.12				
	6/21/2001		8.52	154.97				
	9/18/2001		10.12	153.37				
	12/19/2001		9.93	153.56				
	3/20/2002	166.52	5.29	161.23				Surveyed for EDF compliance.
	6/20/2002		7.95	158.57				
	9/20/2002		9.91	156.61				
	12/31/2002		3.89	162.63				
	3/25/2003		5.59	160.93				
	7/1/2003		7.58	158.94				
	10/2/2003		9.70	156.82				
	12/9/2003		8.70	157.82				
	3/2/2004		5.21	161.31				
	6/8/2004		8.51	158.01				
	6/28/2004		9.93	156.59				
	9/9/2004		11.04	155.48				
	12/28/2004		--	--				Monitoring well was inaccessible
	3/29/2005		3.64	162.88				
	6/27/2005		6.85	159.67				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Date	TOC (Ft,msl)	DTW (Ft)	GWE (Ft,msl)	Screen Interval	Sand Pack Interval	Bentonite Interval	Notes
MW-7	9/18/1998	163.33	8.81	154.52	5-20	4-20	0-4	
	1/4/1999		7.18	156.15				
	3/10/1999		4.40	158.93				
	10/1/1999		8.31	155.02				
	1/5/2000		8.79	154.54				
	3/29/2000		4.96	158.37				
	7/11/2000		7.11	156.22				
	9/29/2000		8.68	154.65				
	12/7/2000		8.31	155.02				
	3/6/2001		4.62	158.71				
	6/21/2001		7.70	155.63				
	9/18/2001		9.17	154.16				
	12/19/2001		4.96	158.37				
	3/20/2002	167.01	---	---				Resurveyed for EDF compliance. Monitoring well was inaccessible.
	6/20/2002		7.00	160.01				
	9/20/2002		8.81	158.20				
	12/31/2002		4.17	162.84				
	3/25/2003		5.00	162.01				
	7/1/2003		6.92	160.09				
	10/2/2003		8.70	158.31				
	12/9/2003		8.24	158.77				
	3/2/2004		5.61	161.40				
	6/8/2004		8.12	158.89				
	6/28/2004		9.29	157.72				
	9/9/2004		10.34	156.67				
	12/28/2004		6.02	160.99				
	3/29/2005		4.02	162.99				
	6/27/2005		<b>6.30</b>	<b>160.71</b>				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Date	TOC (Ft,msl)	DTW (Ft)	GWE (Ft,msl)	Screen Interval	Sand Pack Interval	Bentonite Interval	Notes
MW-8	9/18/1998	164.37	6.00	158.37	5-20	4-20	0-4	
	1/4/1999		7.84	156.53				
	3/10/1999		2.41	161.96				
	10/1/1999		7.29	157.08				
	1/5/2000		7.57	156.80				
	3/29/2000		3.52	160.85				
	7/11/2000		5.71	158.66				
	9/29/2000		7.42	156.95				
	12/7/2000		7.00	157.37				
	3/6/2001		3.08	161.29				
	6/21/2001		6.22	158.15				
	9/18/2001		7.87	156.50				
	12/19/2001		3.45	160.92				
	3/20/2002	166.93	3.10	163.83				Surveyed for EDF compliance.
	6/20/2002		5.48	161.45				
	9/20/2002		7.30	159.63				
	12/31/2002		2.99	163.94				
	3/25/2003		3.29	163.64				
	7/1/2003		5.20	161.73				
	10/2/2003		7.21	159.72				
	12/9/2003		6.67	160.26				
	3/2/2004		2.38	164.55				
	6/8/2004		6.27	160.66				
	6/28/2004		6.91	160.02				
	9/9/2004		8.15	158.78				
	12/28/2004		5.28	161.65				
	3/29/2005		2.60	164.33				
	6/27/2005		4.84	162.09				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Date	TOC (Ft,msl)	DTW (Ft)	GWE (Ft,msl)	Screen Interval	Sand Pack Interval	Bentonite Interval	Notes
MW-9	7/11/2000	162.72	6.28	156.44	5-20	4-20	2-4	
	9/29/2000		7.75	154.97				
	12/7/2000		7.30	155.42				
	3/6/2001		4.34	158.38				
	6/21/2001		6.95	155.77				
	9/18/2001		8.25	154.47				
	12/19/2001		4.66	158.06				
	3/20/2002	166.40	4.70	161.70				Surveyed for EDF compliance.
	6/20/2002		6.41	159.99				
	9/20/2002		7.92	158.48				
	12/31/2002		3.75	162.65				
	3/25/2003		5.71	160.69				
	7/1/2003		6.20	160.20				
	10/2/2003		7.30	159.10				
	12/9/2003		6.78	159.62				
	3/2/2004		4.39	162.01				
	6/8/2004		7.10	159.30				
	6/28/2004		7.66	158.74				
	9/9/2004		8.77	157.63				
	12/28/2004		4.66	161.74				
	3/29/2005		4.05	162.35				
	6/27/2005		5.69	160.71				
MW-10	7/11/2000	162.23	8.50	153.73	5-20	4-20	2-4	
	9/29/2000		10.07	152.16				
	12/7/2000		9.47	152.76				
	3/6/2001		4.61	157.62				
	6/21/2001		9.00	153.23				
	9/18/2001		10.50	151.73				
	12/19/2001		5.10	157.13				
	3/20/2002	165.91	5.75	160.16				Surveyed for EDF compliance.
	6/20/2002		8.45	157.46				
	9/20/2002		10.28	155.63				
	12/31/2002		3.53	162.38				
	3/25/2003		6.10	159.81				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Date	TOC (Ft,msl)	DTW (Ft)	GWE (Ft,msl)	Screen Interval	Sand Pack Interval	Bentonite Interval	Notes
<b>MW-10 cont</b>	7/1/2003	165.91	8.12	157.79	5-20	4-20	2-4	
	10/2/2003		10.10	155.81				
	12/9/2003		8.70	157.21				
	3/2/2004		4.55	161.36				
	6/8/2004		8.73	157.18				
	6/28/2004		9.34	156.57				
	9/9/2004		10.41	155.50				
	12/28/2004		4.74	161.17				
	3/29/2005		3.71	162.20				
	6/27/2005		7.29	158.62				
<b>MW-11</b>	7/11/2000	162.86	8.36	154.50	5-20	4-20	2-4	
	9/29/2000		9.96	152.90				
	12/7/2000		9.37	153.49				
	3/6/2001		4.65	158.21				
	6/21/2001		8.78	154.08				
	9/18/2001		10.31	152.55				
	12/19/2001		5.20	157.66				
	3/20/2002	166.54	5.65	160.89				
	6/20/2002		8.27	158.27				
	9/20/2002		10.21	156.33				
	12/31/2002		4.11	162.43				
	3/25/2003		5.98	160.56				
	7/1/2003		7.94	158.60				
	10/2/2003		10.00	156.54				
	12/9/2003		8.86	157.68				
	3/2/2004		5.14	161.40				
	6/8/2004		8.75	157.79				
	6/28/2004		9.88	156.66				
	9/9/2004		10.98	155.56				
	12/28/2004		6.28	160.26				
	3/29/2005		3.95	162.59				
	6/27/2005		7.29	159.25				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Date	TOC (Ft,msl)	DTW (Ft)	GWE (Ft,msl)	Screen Interval	Sand Pack Interval	Bentonite Interval	Notes
MW-12	7/11/2000	162.86	8.49	154.37	5-20	4-20	2-4	
	9/29/2000		10.04	152.82				
	12/7/2000		---	---				Monitoring well was inaccessible
	3/6/2001		---	---				Monitoring well was inaccessible
	6/21/2001		9.04	153.82				
	9/18/2001		10.46	152.40				
	12/19/2001		162.86	7.30				
	3/20/2002	166.56	5.81	160.75				Surveyed for EDF compliance.
	6/20/2002		8.48	158.08				
	9/20/2002		10.35	156.21				
	12/31/2002		---	---				Monitoring well was inaccessible
	3/25/2003		6.06	160.50				
	7/1/2003		8.12	158.44				
	10/2/2003		10.18	156.38				
	12/9/2003		9.03	157.53				
	3/2/2004		5.09	161.47				
	6/8/2004		8.96	157.60				
	6/28/2004		9.91	156.65				
	9/9/2004		11.06	155.50				
	12/28/2004		6.34	160.22				
	3/29/2005		4.06	162.50				
	6/27/2005		7.39	159.17				
MW-13	7/11/2000	164.14	9.63	154.51	5-20	4-20	2-4	
	9/29/2000		10.61	153.53				
	12/7/2000		10.07	154.07				
	3/6/2001		5.22	158.92				
	6/21/2001		9.37	154.77				
	9/18/2001		11.00	153.14				
	12/19/2001		5.72	158.42				
	3/20/2002	167.82	5.97	161.85				Surveyed for EDF compliance.
	6/20/2002		8.67	159.15				
	9/20/2002		10.67	157.15				
	12/31/2002		4.80	163.02				
	3/25/2003		6.22	161.60				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Date	TOC (Ft,msl)	DTW (Ft)	GWE (Ft,msl)	Screen Interval	Sand Pack Interval	Bentonite Interval	Notes
<b>MW-13 cont</b>	7/1/2003	167.82	8.21	159.61	5-20	4-20	2-4	
	10/2/2003		10.44	157.38				
	12/9/2003		9.50	158.32				
	3/2/2004		6.19	161.63				
	6/8/2004		9.32	158.50				
	6/28/2004		10.98	156.84				
	9/9/2004		12.11	155.71				
	12/28/2004		7.46	160.36				
	3/29/2005		4.41	163.41				
	<b>6/27/2005</b>		<b>7.59</b>	<b>160.23</b>				
<b>MW-14</b>	3/20/2002	166.97	5.90	161.07	5-20	4-20	0-4	Surveyed for EDF compliance.
	6/20/2002		8.58	158.39				
	9/20/2002		10.51	156.46				
	12/31/2002		4.53	162.44				
	3/25/2003		6.23	160.74				
	7/1/2003		8.17	158.80				
	10/2/2003		10.29	156.68				
	12/9/2003		9.19	157.78				
	3/2/2004		5.62	161.35				
	6/8/2004		9.08	157.89				
	6/28/2004		10.34	156.63				
	9/9/2004		11.47	155.50				
	12/28/2004		6.74	160.23				
	3/29/2005		4.26	162.71				
	<b>6/27/2005</b>		<b>7.51</b>	<b>159.46</b>				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Date	TOC (Ft,msl)	DTW (Ft)	GWE (Ft,msl)	Screen Interval	Sand Pack Interval	Bentonite Interval	Notes
<b>MW-15 @ 30'</b>	5/4/2005	168.09	8.02	160.07	30 - 40	29 - 41	0 - 29	Surveyed for EDF compliance.
	6/27/2005		<b>8.01</b>	<b>160.08</b>				
<b>MW-15 @ 60'</b>	5/4/2005	168.09	7.68	160.41	60 - 70	59 - 71	41 - 59	Surveyed for EDF compliance.
	6/27/2005		<b>8.23</b>	<b>159.86</b>				
<b>MW-15 @ 83'</b>	5/4/2005	168.09	7.95	160.14	83 - 93	82 - 94	71 - 82	Surveyed for EDF compliance.
	6/27/2005		<b>8.52</b>	<b>159.57</b>				
<b>MW-15 @ 140'</b>	5/4/2005	168.09	8.03	160.06	140 - 150	139 - 150	94 - 139	Surveyed for EDF compliance.
	6/27/2005		<b>8.03</b>	<b>160.06</b>				
<b>MW-16</b>	5/4/2005	166.96	7.04	159.92	30 - 40	29 - 40	0 - 29	Surveyed for EDF compliance.
	6/27/2005		<b>7.52</b>	<b>159.44</b>				
<b>MW-17</b>	5/4/2005	167.20	6.98	160.22	30 - 40	29 - 40	0 - 29	Surveyed for EDF compliance.
	6/27/2005		<b>7.48</b>	<b>159.72</b>				
<b>PZ-1</b>	3/2/2004	168.23	11.56	156.67	5-20	4-20	0-4	Surveyed for EDF compliance.
	6/8/2004		10.42	157.81				
	6/28/2004		15.27	152.96				
	9/9/2004		16.38	151.85				

ft = feet

msl = Mean Sea Level

DTW = Depth to Water

GWE = Ground Water Elevation

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<----- ppb ----->							
<b>MW-4</b>	9/18/1998	87,000	16,000	8,500	8,200	1,900	7,700	5,900	
	1/4/1999	79,000	<1,000	13,000	7,500	1,800	8,800	7,800	
	3/10/1999	44,000	<50	7,700	4,400	970	4,100	3,600	
	6/30/1999	17,000	270	2,200	300	490	800	3,000	Sample was flagged. See analytical report for details
	10/1/1999	---	---	---	--	--	--	--	Monitoring well now on semi annual sampling
	1/5/2000	32,000	<50	8,600	770	1,100	2,500	6,000	
	3/29/2000	64,000	3,200	9,500	7,400	1,700	6,100	9,000	Sample was flagged. See analytical report for details
	7/11/2000	14,000	790	4,300	130	680	420	5,100	Sample was flagged. See analytical report for details
	9/29/2000	19,000	<50	3,100	210	570	470	3,900	
	12/7/2000	41,000	<50	3,600	1,700	260	1,400	1,300	
	3/6/2001	25,000	<50	4,300	4,100	420	2,100	860	
	6/21/2001	720	160	140	18	28	12	340	
	9/18/2001	3,900	710	1,100	190	120	340	730	
	12/19/2001	21,000	1,200	5,000	3,200	710	1,800	1,500	
	3/20/2002	<50	<250	<1	<1	<1	<1	200	
	6/20/2002	150	<50	21	5	4	7	87	
	9/20/2002	720	120	34	3.8	3.5	7.1	720	
	12/31/2002	1,300	<50	200	95	22	82	77	
	3/25/2003	380	<125	120	30	7	27	3	
	7/1/2003	450	<50	160	62	14	54	10	
	10/2/2003	400	50	140	37	9	31	2	
	12/9/2003	1,000	64	290	100	26	113	47	
	3/2/2004	650	<50	190	84	21	82	49	
	6/8/2004	<25	260	<0.5	<0.5	<0.5	<1	<1	
	9/14/2004	950	55	120	46	16	67	37	
	12/28/2004	4,400	310	2,200	39	49	73	1,300	
	3/29/2005	3,800	200	350	150	65	320	180	
	6/27/2005	<b>430</b>	<b>&lt;50</b>	<b>2.0</b>	<b>3.1</b>	<b>1</b>	<b>0.5</b>	<b>130</b>	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<----- ppb ----->							
<b>MW-5</b>	9/18/1998	160,000	39,000	33,000	20,000	4,000	20,000	15,000	
	1/4/1999	160,000	<50	31,000	22,000	3,100	16,000	8,400	
	3/10/1999	190,000	230	34,000	13,000	3,500	15,000	6,800	Sample was flagged. See analytical report for details
	6/30/1999	130,000	1,700	22,000	15,000	2,500	12,000	4,900	Sample was flagged. See analytical report for details
	10/1/1999	---	---	---	---	--	---	---	Monitoring well on semi annual sampling
	1/5/2000	170,000	<50	38,000	23,000	3,000	16,000	8,000	
	3/29/2000	130,000	5,000	17,000	9,300	3,500	12,000	6,500	Sample was flagged. See analytical report for details
	7/11/2000	190,000	29,000	33,000	21,000	2,800	13,000	6,500	Sample was flagged. See analytical report for details
	9/29/2000	260,000	<50	28,000	25,000	3,700	18,000	7,700	
	12/7/2000	250,000	<50	21,000	13,000	2,200	12,000	6,500	
	3/6/2001	96,000	<50	54,000	12,000	2,100	9,500	2,300	
	6/21/2001	90,000	6,500	23,000	12,000	2,400	11,000	6,200	
	9/18/2001	88,000	3,100	23,000	12,000	3,000	14,000	3,600	
	12/19/2001	84,000	5,100	25,000	9,600	2,800	12,000	3,300	
	3/20/2002	43,000	6,200	19,000	7,300	1,900	9,800	2,200	
	6/20/2002	94,000	7,800	28,000	11,000	2,200	8,600	3,200	
	9/20/2002	120,000	3,700	30,000	14,000	3,300	15,000	3,000	
	12/31/2002	110,000	10,000	23,000	9,500	3,000	11,000	2,400	
	3/25/2003	83,000	7,800	26,000	8,000	2,800	11,200	1,600	
	7/1/2003	62,000	5,300	33,000	11,000	3,300	13,000	2,200	
	10/2/2003	90,000	8,000	31,000	10,000	3,300	13,100	2,500	
	12/9/2003	110,000	6,700	29,000	8,800	3,100	13,000	1,600	
	3/2/2004	120,000	8,600	38,000	11,000	4,000	13,700	1,000	
	6/8/2004	81,000	5,500	31,000	8,100	2,900	10,000	1,300	
	9/14/2004	97,000	8,700	27,000	7,100	3,100	11,600	1,100	
	12/28/2004	68,000	12,000	17,000	2,400	2,800	12,000	660	
	3/29/2005	120,000	5,000	28,000	6,200	3,200	11,200	720	
	<b>6/27/2005</b>	<b>120,000</b>	<b>4,900</b>	<b>30,000</b>	<b>7,000</b>	<b>3,200</b>	<b>11,800</b>	<b>620</b>	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<----- ppb ----->							
MW-6	9/18/1998	49,000	8,000	10,000	3,200	1,600	5,200	10	Sample was flagged. See analytical report for details
	1/4/1999	11,000	<50	5,900	360	730	800	180	
	3/10/1999	18,000	190	2,800	330	77	930	91	
	6/30/1999	23,000	150	7,000	400	480	770	120	Sample was flagged. See analytical report for details
	10/1/1999	18,000	640	6,300	78	370	190	<250	Sample was flagged. See analytical report for details
	1/5/2000	22,000	<50	8,500	110	350	330	260	
	3/29/2000	15,000	1,200	4,200	380	290	460	<50	Sample was flagged. See analytical report for details
	7/13/2000	15,000	2,300	3,100	180	400	1,300	<13	Sample was flagged. See analytical report for details
	9/29/2000	33,000	<50	9,800	120	530	760	610	
	12/7/008	---	---	---	---	---	---	---	Well was inaccessible
	3/6/2001	43,000	<50	30,000	1,300	760	1,300	120	
	6/21/2001	44,000	1,700	18,000	810	1,500	1,800	<1,250	
	9/18/2001	25,000	960	11,000	240	810	780	<1,000	
	12/19/2001	27,000	750	12,000	360	510	480	790	
	3/20/2002	20,000	1,400	16,000	1,300	980	1,310	810	
	6/20/2002	23,000	750	11,000	350	540	330	960	
	9/20/2002	<50,000	570	12,000	<500	510	<1,000	1,500	
	12/31/2002	21,000	440	8,200	270	340	340	2,300	
	3/25/2003	32,000	1,900	14,000	1,100	900	1,170	1,000	
	7/1/2003	19,000	960	14,000	440	550	414	1,400	
	10/2/2003	21,000	1,200	12,000	130	450	163	1,900	
	12/9/2003	3,300	190	1,500	18	44	24	280	
	3/2/2004	840	<50	500	38	40	42	47	
	6/8/2004	1,000	110	500	<5	55	11	<10	
	9/14/2004	<50	<50	<0.5	<0.5	<0.5	<1.5	1	
	12/28/2004	---	---	---	---	---	---	---	Well was inaccessible.
	3/29/2005	6,300	700	1,200	160	180	379	29	
	6/27/2005	<b>6,000</b>	<b>270</b>	<b>1,400</b>	<b>90</b>	<b>220</b>	<b>375</b>	<b>28</b>	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<----- ppb ----->							
MW-7	9/18/1998	<50	3,000	<0.5	<0.5	<0.5	<1.0	<1	Sample was flagged. See analytical report for details
	1/4/1999	4,200	<50	1,900	81	160	280	35	
	3/10/1999	9,800	<50	<0.50	70	150	390	18	
	6/30/1999	13,000	78	3,000	320	320	670	<125	
	10/1/1999	7,800	2,600	2,700	140	220	420	<100	Sample was flagged. See analytical report for details
	1/5/2000	14,000	<50	4,500	120	300	650	<50	
	3/29/2000	14,000	360	4,100	94	360	220	<50	Sample was flagged. See analytical report for details
	7/11/2000	8,500	560	3,000	53	270	220	12	Sample was flagged. See analytical report for details
	9/29/2000	15,000	<50	3,700	41	290	360	<25	
	12/7/2000	7,000	<50	1,300	83	160	280	<25	
	3/6/2001	13,000	1,200	4,600	110	510	850	<2.0	
	6/21/2001	12,000	660	2,800	95	350	590	<500	
	9/18/2001	2,600	140	1,000	36	85	110	<50	
	12/19/2001	9,300	600	3,800	76	450	370	<50	
	3/20/2002	—	—	—	—	—	—	---	Well was inaccessible.
	6/20/2002	6,800	730	2,600	34	270	112	<20	
	9/20/2002	14,000	330	4,800	<125	500	540	7.7	
	12/31/2002	9,300	770	2,600	70	240	300	5	
	3/25/2003	3,600	470	1,600	10	120	28	41	
	7/1/2003	600	52	200	18	22	34	49	
	10/2/2003	3,200	480	1,600	23	130	176	31	
	12/9/2003	16,000	170	390	17	24	45	24	
	3/2/2004	4,100	330	1,300	9	47	29	17	
	6/8/2004	2,000	110	860	16	47	46	<10	
	9/14/2004	5,000	110	980	23	84	58.8	6	
	12/28/2004	6,000	920	1,800	27	68	61.1	3.7	
	3/29/2005	1,600	100	350	5	22	8	2	
	6/28/2005	840	<50	180	11	18	17	1.7	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<-----	ppb	----->					
<b>MW-8</b>	9/18/1998	<50	<50	3	1	<0.5	<1.0	<1	
	1/4/1999	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	3/10/1999	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	6/30/1999	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/1/1999	<50	<50	<0.5	<0.5	<0.5	1.2	<5.0	
	1/5/2000	220	<50	7.1	0.7	0.5	1.7	<2.0	
	3/29/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	7/11/2000	76	<50	4.6	<0.5	<0.5	0.5	<0.5	
	9/29/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	12/7/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/6/2001	<50	<50	2.8	<0.5	<0.5	<0.5	<2.0	
	6/21/2001	<50	52	6	2.3	1.1	2.6	<5.0	
	9/18/2001	<50	<50	<0.5	0.62	<0.5	<0.5	<5.0	
	12/19/2001	51	84	6	0.8	0.9	2.6	<5	
	3/20/2002	<50	<50	<1	<1	<1	<1	<1	
	6/20/2002	78	<50	18	5	4	7	4	
	9/20/2002	<50	<50	<0.5	<0.5	<0.5	<1	<5	
	12/31/2002	61	200	13	2.2	2.1	4.6	<1	
	3/25/2003	55	<50	16	3	1	5	<1	
	7/1/2003	<50	<50	11	2	2	4	<1	
	10/2/2003	<50	<50	<1	<1	<1	<1	<1	
	12/9/2003	71	<50	10	5	2	8	<1	
	3/2/2004	69	<50	5	13	2	13	1	
	6/8/2004	<25	<50	<0.5	0.6	<0.5	<1	<1	
	9/14/2004	<50	<50	3.3	1.4	0.7	3	<0.5	
	12/28/2004	<50	<50	<0.5	<0.5	<0.5	<1.5	<0.5	
	3/29/2005	<100	<50	3.1	<0.5	0.5	<1.5	1.9	
	6/27/2005	<b>590</b>	<50	<b>100</b>	<b>47</b>	<b>16</b>	<b>61</b>	<b>2.8</b>	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<-----	ppb	----->					
MW-9	7/11/2000	92	<50	6.4	<0.5	1.2	1	<0.5	
	9/29/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	12/7/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	3/6/2001	<50	<50	1.1	<0.5	<0.5	<0.5	<2.0	
	6/21/2001	67	<50	0.61	0.53	<0.5	<0.5	<5.0	
	9/18/2001	<50	<50	1.4	0.63	<0.5	<0.5	<5.0	
	12/19/2001	<50	<50	4.7	0.74	0.66	1.9	<5	
	3/20/2002	110	<50	35	8	4	7	<1	
	6/20/2002	99	<50	25	5	5	8	5	
	9/20/2002	<50	<50	18	0.8	1.5	<1	<5	
	12/31/2002	54	220	11	3.4	1.9	5.1	<1	
	3/25/2003	57	<50	15	4	2	6	<1	
	7/1/2003	63	<50	24	4	3	7	<1	
	10/2/2003	<50	<50	12	<1	<1	<1	<1	
	12/9/2003	53	<50	6	6	2	9	<1	
	3/2/2004	83	<50	6	15	2	15	1	
	6/8/2004	<25	<50	<0.5	0.6	<0.5	<1	<1	
	9/14/2004	<50	<50	2	3	1.2	5.9	<0.5	
	12/28/2004	<50	<50	<0.5	<5	<0.5	<1.0	<0.5	
	3/29/2005	<100	<50	0.9	<0.5	<0.5	<1.5	<0.5	
	6/28/2005	100	<50	7.1	4.7	2.1	7.7	<0.5	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<-----	ppb	----->					
<b>MW-10</b>	7/11/2000	<50	<50	1.5	<0.5	<0.5	<0.5	8.1	
	9/29/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	12	
	12/7/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	13	
	3/6/2001	110	<50	20	1.2	0.82	0.75	12	
	6/21/2001	57	<50	6.3	1.5	0.78	1.2	34	
	9/18/2001	59	<50	7	1.1	0.6	1.2	39	
	12/19/2001	60	80	7.5	0.68	0.56	1	47	
	3/20/2002	82	<250	23	7	3	7	26	
	6/20/2002	150	<50	47	7	6	8	60	
	9/20/2002	380	<50	160	2.7	12	11	66	
	12/31/2002	140	<50	37	3.9	2.5	5.6	64	
	3/25/2003	110	<50	38	6	3	8	63	
	7/1/2003	77	<50	29	4	3	7	71	
	10/2/2003	58	<50	29	<1	<1	<1	110	
	12/9/2003	67	<50	8	8	2	10	96	
	3/2/2004	82	<50	6	13	2	14	83	
	6/8/2004	35	<50	<0.5	0.5	<0.5	<1	54	
	9/14/2004	<50	<50	<0.5	<0.5	<0.5	<1.5	35	
	12/28/2004	<50	<50	44	<0.5	<0.5	0.89	<0.5	
	3/29/2005	<100	<50	3.1	1.0	1.1	1.7	29	
	<b>6/28/2005</b>	<b>100</b>	<b>&lt;50</b>	<b>8.1</b>	<b>5.5</b>	<b>2.2</b>	<b>8.3</b>	<b>41</b>	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<----- ppb ----->							
<b>MW-11</b>	7/11/2000	3,000	770	260	48	8.3	550	12	Sample was flagged. See analytical report for details
	9/29/2000	8,500	<50	1,400	9.6	280	760	33	
	12/7/2000	3,300	<50	340	6.9	70	240	<2.5	
	3/6/2001	540	<50	220	2.5	2.7	7.8	<2.0	
	6/21/2001	930	170	250	9.1	41	44	<25	
	9/18/2001	1,200	160	290	12	83	120	<25	
	12/19/2001	140	140	34	1.5	2.4	3.6	<5	
	3/20/2002	<50	<50	<1	<1	<1	<1	<1	
	6/20/2002	140	<50	37	5	5	7	6	
	9/20/2002	64	<50	32	1.2	1.9	1.3	<5	
	12/31/2002	53	<50	17	2.9	1.9	4.4	<1	
	3/25/2003	97	<125	29	5	2	8	<1	
	7/1/2003	51	<50	16	3	2	7	<1	
	10/2/2003	<50	<50	15	<1	<1	<1	<1	
	12/9/2003	69	<50	8	8	2	10	<1	
	3/2/2004	92	<50	8	15	3	15	1	
	6/8/2004	<25	<50	1.1	<0.5	<0.5	<1	<1	
	9/14/2004	<50	<50	<0.5	<0.5	<0.5	<1.5	<0.5	
	12/28/2004	<50	<50	3	<5.0	0.69	1	<0.5	
	3/29/2005	<100	<50	2.3	0.6	0.7	1.1	<0.5	
	6/28/2005	<100	<50	6.5	4.6	1.9	7.3	<0.5	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<----- ppb ----->							
<b>MW-12</b>	7/11/2000	3,400	340	710	46	78	70	3.3	Sample was flagged. See analytical report for details
	9/29/2000	3,500	<50	1,100	8.8	100	4.2	4.7	
	12/7/2000	---	---	---	---	---	---	---	Well was inaccessible.
	3/6/2001	---	---	---	---	---	---	---	Well was inaccessible.
	6/21/2001	620	84	210	4	8	<2.5	<25	
	9/18/2001	76	<50	17	1.6	0.99	2.1	11	
	12/19/2001	88	97	23	1.7	1.3	2.6	22	
	3/20/2002	540	<50	170	12	8	12	8	
	6/20/2002	320	62	92	8	7	8	14	
	9/20/2002	<250	—	76	<2.5	3.4	<5	36	
	12/31/2002	—	—	—	—	—	—	—	Well was inaccessible.
	3/25/2003	1,600	100	540	15	50	15	8	
	7/1/2003	2,100	120	680	21	110	24	6	
	10/2/2003	150	<50	57	<1	1	<1	27	
	12/9/2003	340	<50	87	10	3	12	14	
	3/2/2004	1,100	69	270	20	6	21	7	
	6/8/2004	47	<50	<0.5	<0.5	<0.5	<1	1.5	
	9/14/2004	<50	<50	<0.5	<0.5	<0.5	<1.5	2	
	12/28/2004	<50	80	<0.5	<0.5	<0.5	<1.5	<0.5	
	3/29/2005	580	<50	90	3.1	13	7.7	0.6	
	<b>6/28/2005</b>	<b>1,700</b>	<b>&lt;50</b>	<b>460</b>	<b>12</b>	<b>58</b>	<b>13.2</b>	<b>0.9</b>	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<----- ppb ----->							
<b>MW-13</b>	8/8/2000	53,000	<50	3,700	5,600	1,400	7,200	ND	
	9/29/2000	11,000	<50	890	350	900	800	<5.0	
	12/7/2000	1,200	<50	170	7.5	7.7	26	<2.5	
	3/6/2001	1,000	<50	480	30	19	110	<2.0	
	6/21/2001	750	110	260	10	20	14	<25	
	9/18/2001	1,700	160	520	110	65	110	<50	
	12/19/2001	6,500	98	570	380	130	720	<5	
	3/20/2002	210	<250	34	2	<1	6	<1	
	6/20/2002	420	<250	130	63	15	46	10	
	9/20/2002	100	<50	36	1.5	4	2.2	<5	
	12/31/2002	2,600	320	410	170	84	240	<1	
	3/25/2003	270	<125	160	32	18	42	<1	
	7/1/2003	220	<50	58	15	8	23	<1	
	10/2/2003	410	<50	120	23	22	49	<1	
	12/9/2003	490	<50	100	12	15	47	<1	
	3/2/2004	530	<50	140	40	12	49	2	
	6/8/2004	47	<50	9.8	<0.5	0.7	<1	<1	
	9/14/2004	540	<50	99	15	13	28.9	<0.5	
	12/28/2004	110	<50	45	<0.5	<0.5	0.92	<0.5	
	3/29/2005	110	<50	22	1.3	2.2	2.8	<0.5	
	<b>6/28/2005</b>	<b>1,700</b>	<b>&lt;50</b>	<b>640</b>	<b>42</b>	<b>74</b>	<b>150</b>	<b>&lt;0.5</b>	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<----- ppb ----->							
<b>MW-14</b>	3/20/2002	8,100	2,300	200	20	2	1,700	6	
	6/20/2002	530	<50	100	19	15	27	52	
	9/20/2002	720	98	180	29	19	34	75	
	12/31/2002	900	96	130	58	22	55	140	
	3/25/2003	590	<125	160	50	21	35	63	
	7/1/2003	220	<50	68	11	7	15	52	
	10/2/2003	460	740	1,500	190	250	370	25	
	12/9/2003	220	<50	53	8	8	13	22	
	3/2/2004	2,700	200	1,300	8	180	19	7	
	6/8/2004	160	110	43	4.4	7.4	7.3	<1	
	9/14/2004	<500	<50	41	3.1	6.5	7.5	<0.5	
	12/28/2004	1,100	360	460	4.9	24	5.5	<0.5	
	3/29/2005	3,400	240	940	76	82	73	0.6	
	<b>6/28/2005</b>	<b>450</b>	<b>&lt;50</b>	<b>72</b>	<b>25</b>	<b>13</b>	<b>32.1</b>	<b>0.8</b>	
<b>MW-15 @ 30'</b>	5/4/2005	110,000	250,000	21,000	19,000	1,000	5,700	22,000	
	<b>6/27/2005</b>	<b>100,000</b>	<b>320,000</b>	<b>22,000</b>	<b>22,000</b>	<b>940</b>	<b>5,400</b>	<b>23,000</b>	
<b>MW-15 @ 60'</b>	5/4/2005	920	<50	190	140	9.2	48	59	
	<b>6/27/2005</b>	<b>1,900</b>	<b>&lt;50</b>	<b>470</b>	<b>450</b>	<b>26</b>	<b>120</b>	<b>33</b>	
<b>MW-15 @ 83'</b>	5/4/2005	3,400	<50	580	780	43	210	7.3	
	<b>6/27/2005</b>	<b>8,300</b>	<b>&lt;50</b>	<b>1,900</b>	<b>1,500</b>	<b>99</b>	<b>440</b>	<b>68</b>	
<b>MW-15 @ 140'</b>	5/4/2005	100,000	230,000	20,000	18,000	920	5,200	19,000	
	<b>6/27/2005</b>	<b>93,000</b>	<b>240,000</b>	<b>20,000</b>	<b>20,000</b>	<b>1,100</b>	<b>5,300</b>	<b>20,000</b>	
<b>MW-16</b>	5/3/2005	<100	<50	1.1	1.0	1.0	4.2	120	
	<b>6/27/2005</b>	<b>460</b>	<b>&lt;50</b>	<b>80</b>	<b>37</b>	<b>12</b>	<b>44</b>	<b>83</b>	
<b>MW-17</b>	5/3/2005	<100	<50	0.6	0.7	0.9	3.7	32	
	<b>6/28/2005</b>	<b>110</b>	<b>&lt;50</b>	<b>15</b>	<b>8.8</b>	<b>2.7</b>	<b>11.4</b>	<b>35</b>	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<-----	ppb	----->					
DW-1020	6/30/1999	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/1/1999	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	1/5/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/8/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
	3/28/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	4/21/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
	5/26/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	6/26/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
	7/21/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
	8/29/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
	9/29/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
	10/3/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
	12/7/2000	140	<50	<0.5	0.58	<0.5	1.3	2	Sample was flagged. See analytical report for details
	12/29/2000	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
	1/5/2001	<50	---	<0.5	<0.5	<0.5	<0.5	<2.0	Sample analyzed by Sparger Technology Inc
	1/5/2001	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	Sample analyzed by Entech Analytical Labs Inc
	1/29/2001	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	Sample was flagged. See analytical report for details
	2/9/2001	<50	89	<0.5	<0.5	<0.5	<0.5	<5.0	
	2/22/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
	2/28/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	3/6/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
	4/6/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/14/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	6/21/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	7/13/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	8/22/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	9/18/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
	10/8/2001	<50	160	<0.5	<0.5	<0.5	<0.5	<5	
	11/20/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	
	12/19/2001	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	
	1/15/2002	<50	<250	<1	<1	<1	<1	<1	
	2/14/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.0	
	3/20/2002	<50	<50	<1	<1	<1	<1	<1	
	4/11/2002	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	
	5/15/2002	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	

Table 2. Analytical Results for Ground Water - 1100 Bennett Valley Road, Santa Rosa, California

Well ID	Sample Date	TPH-G	TPH-D	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Notes
		<-----	ppb	----->					
<b>DW-1020</b>	6/20/2002	<50	<50	<1	<1	<1	<1	<1	
	7/10/2002	<50	<50	<0.5	<0.5	<0.5	<1	<5	
	8/8/2002	<50	<50	<0.5	<0.5	<0.5	<1	<5	
	9/20/2002	<50	<50	<0.5	<0.5	<0.5	<1	<5	
	12/31/2002	<50	<50	<0.5	<0.5	<0.5	<1	<1	
	3/25/2003	<250	<125	<1	<1	<1	<1	<1	
	7/1/2003	<50	<50	<1	<1	<1	<1	<1	
	10/2/2003	<50	<50	<1	<1	<1	<1	<1	
	12/9/2003	<50	<50	<1	<1	<1	<1	<1	
	3/2/2004	<50	77	<1	<1	<1	<1	<1	
	6/8/2004	<25	<50	<0.5	<0.5	<0.5	<1	<1	
	9/14/2004	<50	<50	<0.5	<0.5	<0.5	<1.5	<0.5	
	12/28/2004	<50	<50	<0.5	<0.5	<0.5	<1.5	<0.5	
	3/29/2005	<100	<50	<0.5	<0.5	<0.5	<1.5	<0.5	
	<b>6/27/2005</b>	<b>&lt;100</b>	<b>&lt;50</b>	<b>0.6</b>	<b>0.9</b>	<b>&lt;0.5</b>	<b>&lt;1.5</b>	<b>&lt;0.5</b>	
	<b>7/25/2005</b>	<b>&lt;100</b>	---	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;1.5</b>	<b>&lt;0.5</b>	

Explanation TPH(G) = Total Petroleum Hydrocarbons as Gasoline

TPH(D) = Total Petroleum Hydrocarbons as Diesel.

MTBE = Methyl tert butyl ether

ppb = parts per billion

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
<b>MW-4</b>	9/18/1998	ND	5,900	ND	ND	ND	
	1/4/1999	ND	7,800	ND	ND	ND	
	3/10/1999	ND	3,600	ND	ND	ND	
	6/30/1999	ND	3,000	ND	ND	ND	
	10/1/1999	---	---	---	---	---	
	1/5/2000	ND	6,000	ND	ND	ND	
	3/29/2000	ND	9,000	ND	ND	ND	
	7/11/2000	ND	5,100	ND	ND	ND	
	9/29/2000	ND	3,900	ND	ND	ND	
	12/7/2000	ND	1,300	ND	ND	ND	
	3/6/2001	620	860	ND	ND	ND	
	6/21/2001	ND	340	ND	ND	ND	
	9/18/2001	ND	730	ND	ND	ND	
	12/19/2001	ND	1,500	ND	ND	ND	
	3/20/2002	ND	200	ND	ND	1	
	6/20/2002	ND	87	ND	ND	ND	
	9/20/2002	220	720	ND	ND	ND	
	12/31/2002	40	77	ND	ND	ND	
	3/25/2003	<200	3	<1	<1	<1	
	7/1/2003	<200	10	<1	<1	<1	
	10/2/2003	<200	2	<1	<1	<1	
	12/9/2003	8	47	<1	<1	<1	
	3/2/2004	10	49	<1	<1	<1	
	6/8/2004	<1	<1	<1	<1	<1	
	9/14/2004	44	37	<0.5	<0.5	<0.5	
	12/28/2004	460	1,300	<1	<1	13	
	3/29/2005	51	180	<0.5	<0.5	1.8	
	6/27/2005	<b>59</b>	<b>130</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>0.7</b>	

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
<b>MW-5</b>	9/18/1998	ND	15,000	ND	ND	ND	
	1/4/1999	ND	8,400	ND	ND	ND	
	3/10/1999	ND	6,800	ND	ND	ND	
	6/30/1999	ND	4,900	ND	ND	ND	
	10/1/1999	---	---	---	---	---	
	1/5/2000	ND	8,000	ND	ND	ND	
	3/29/2000	ND	6,500	ND	ND	ND	
	7/11/2000	ND	6,500	ND	ND	ND	
	9/29/2000	ND	7,700	ND	ND	ND	
	12/7/2000	ND	6,500	ND	ND	ND	
	3/6/2001	1,200	2,300	ND	ND	ND	
	6/21/2001	ND	6,200	ND	ND	ND	
	9/18/2001	ND	3,600	ND	ND	ND	
	12/19/2001	1,200	3,300	ND	ND	ND	
	3/20/2002	ND	2,200	ND	ND	ND	
	6/20/2002	ND	3,200	ND	ND	ND	
	9/20/2002	1,000	3,000	ND	ND	ND	
	12/31/2002	2,200	2,400	ND	ND	ND	
	3/25/2003	1,400	1,600	<1	<1	18	
	7/1/2003	1,800	2,200	<1	<1	20	
	10/2/2003	910	2,500	<1	<1	23	
	12/9/2003	780	1,600	<1	<1	15	
	3/2/2004	600	1,000	<1	<1	11	
	6/8/2004	<500	1,300	<500	<500	<500	
	9/14/2004	1,100	1,100	<0.5	0.61	12	
	12/28/2004	900	660	<25	<25	<25	
	3/29/2005	590	720	<0.5	<0.5	11	
	6/27/2005	<b>980</b>	<b>620</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>12</b>	

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
<b>MW-6</b>	9/18/1998	ND	10	ND	ND	ND	
	1/4/1999	ND	180	ND	ND	ND	
	3/10/1999	ND	91	ND	ND	ND	
	6/30/1999	ND	120	ND	ND	ND	
	10/1/1999	ND	<250	ND	ND	ND	
	1/5/2000	ND	260	ND	ND	ND	
	3/29/2000	ND	<50	ND	ND	ND	
	7/13/2000	ND	<13	ND	ND	ND	
	9/29/2000	ND	610	ND	ND	ND	
	12/7/2008	---	---	---	---	---	
	3/6/2001	640	120	ND	ND	ND	
	6/21/2001	ND	<1,250	ND	ND	ND	
	9/18/2001	ND	<1,000	ND	ND	ND	
	12/19/2001	590	790	ND	ND	ND	
	3/20/2002	ND	810	ND	ND	ND	
	6/20/2002	ND	960	ND	ND	ND	
	9/20/2002	1,200	1,500	ND	ND	ND	
	12/31/2002	2,200	2,300	ND	ND	ND	
	3/25/2003	1,200	1,000	<1	<1	7	
	7/1/2003	1,100	1,400	<1	<1	9	
	10/2/2003	670	1,900	<1	<1	11	
	12/9/2003	130	280	<1	<1	2	
	3/2/2004	28	47	<1	<1	1	
	6/8/2004	<10	<10	<10	<10	<10	
	9/14/2004	<5	1	<0.5	<0.5	<0.5	
	12/28/2004	---	---	---	---	---	
	3/29/2005	59	29	<0.5	<0.5	<0.5	
	6/27/2005	<b>110</b>	<b>28</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
MW-7	9/18/1998	ND	<1	ND	ND	ND	
	1/4/1999	ND	35	ND	ND	ND	
	3/10/1999	ND	18	ND	ND	ND	
	6/30/1999	ND	<125	ND	ND	ND	
	10/1/1999	ND	<100	ND	ND	ND	
	1/5/2000	ND	<50	ND	ND	ND	
	3/29/2000	ND	<50	ND	ND	ND	
	7/11/2000	ND	12	ND	ND	ND	
	9/29/2000	ND	<25	ND	ND	ND	
	12/7/2000	ND	<25	ND	ND	ND	
	3/6/2001	83	<2.0	ND	ND	7.5	
	6/21/2001	ND	<500	ND	ND	ND	
	9/18/2001	ND	<50	ND	ND	ND	
	12/19/2001	ND	<50	ND	ND	ND	
	3/20/2002	ND	---	ND	ND	ND	
	6/20/2002	ND	<20	ND	ND	ND	
	9/20/2002	130	7.7	ND	ND	ND	
	12/31/2002	130	5	ND	ND	ND	
	3/25/2003	<200	41	<1	<1	<1	
	7/1/2003	<200	49	<1	<1	<1	
	10/2/2003	<200	31	<1	<1	<1	
	12/9/2003	27	24	<1	<1	<1	
	3/2/2004	210	17	<1	<1	<1	
	6/8/2004	<10	<10	<10	<10	<10	
	9/14/2004	89	6	<0.5	<0.5	<0.5	
	12/28/2004	360	3.7	<0.5	<0.5	<0.5	
	3/29/2005	110	2	<1	<1	<1	
	6/28/2005	47	1.7	<0.5	<0.5	<0.5	

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
<b>MW-8</b>	9/18/1998	ND	<1	ND	ND	ND	
	1/4/1999	ND	<5.0	ND	ND	ND	
	3/10/1999	ND	<5.0	ND	ND	ND	
	6/30/1999	ND	<5.0	ND	ND	ND	
	10/1/1999	ND	<5.0	ND	ND	ND	
	1/5/2000	ND	<2.0	ND	ND	ND	
	3/29/2000	ND	<0.5	ND	ND	ND	
	7/11/2000	ND	<0.5	ND	ND	ND	
	9/29/2000	ND	<0.5	ND	ND	ND	
	12/7/2000	ND	<0.5	ND	ND	ND	
	3/6/2001	ND	<2.0	ND	ND	ND	
	6/21/2001	ND	<5.0	ND	ND	ND	
	9/18/2001	ND	<5.0	ND	ND	ND	
	12/19/2001	ND	<5	ND	ND	ND	
	3/20/2002	ND	<1	ND	ND	ND	
	6/20/2002	ND	4	ND	ND	ND	
	9/20/2002	ND	<5	ND	ND	ND	
	12/31/2002	ND	<1	ND	ND	ND	
	3/25/2003	<200	<1	<1	<1	<1	
	7/1/2003	<200	<1	<1	<1	<1	
	10/2/2003	<200	<1	<1	<1	<1	
	12/9/2003	<5	<1	<1	<1	<1	
	3/2/2004	<5	1	<1	<1	<1	
	6/8/2004	<1	<1	<1	<1	<1	
	9/14/2004	<5	<0.5	<0.5	<0.5	<0.5	
	12/28/2004	<5	<0.5	<0.5	<0.5	<0.5	
	3/29/2005	<5	1.9	<0.5	<0.5	0.6	
	6/27/2005	<5	2.8	<0.5	<0.5	0.8	

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
<b>MW-9</b>	7/11/2000	ND	<0.5	ND	ND	ND	
	9/29/2000	ND	<0.5	ND	ND	ND	
	12/7/2000	ND	<0.5	ND	ND	ND	
	3/6/2001	ND	<2.0	ND	ND	ND	
	6/21/2001	ND	<5.0	ND	ND	ND	
	9/18/2001	ND	<5.0	ND	ND	ND	
	12/19/2001	ND	<5	ND	ND	ND	
	3/20/2002	ND	<1	ND	ND	ND	
	6/20/2002	ND	5	ND	ND	ND	
	9/20/2002	ND	<5	ND	ND	ND	
	12/31/2002	ND	<1	ND	ND	ND	
	3/25/2003	<200	<1	<1	<1	<1	
	7/1/2003	<200	<1	<1	<1	<1	
	10/2/2003	<200	<1	<1	<1	<1	
	12/9/2003	<5	<1	<1	<1	<1	
	3/2/2004	<5	1	<1	<1	<1	
	6/8/2004	<1	<1	<1	<1	<1	
	9/14/2004	<5	<0.5	<0.5	<0.5	<0.5	
	12/28/2004	<5	<0.5	<0.5	<0.5	<0.5	
	3/29/2005	<5	<0.5	<0.5	<0.5	<0.5	
	6/28/2005	<5	<0.5	<0.5	<0.5	<0.5	
<b>MW-10</b>	7/11/2000	ND	8.1	ND	ND	ND	
	9/29/2000	ND	12	ND	ND	ND	
	12/7/2000	ND	13	ND	ND	ND	
	3/6/2001	ND	12	ND	ND	ND	
	6/21/2001	ND	34	ND	ND	ND	
	9/18/2001	ND	39	ND	ND	ND	
	12/19/2001	ND	47	ND	ND	ND	
	3/20/2002	ND	26	ND	ND	ND	
	6/20/2002	ND	60	ND	ND	ND	
	9/20/2002	ND	66	ND	ND	ND	
	12/31/2002	16	64	ND	ND	ND	
	3/25/2003	<200	63	<1	<1	<1	
	7/1/2003	<200	71	<1	<1	<1	

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
<b>MW-10 cont.</b>	10/2/2003	<200	110	<1	<1	<1	
	12/9/2003	<5	96	<1	<1	<1	
	3/2/2004	<5	83	<1	<1	<1	
	6/8/2004	<1	54	<1	<1	<1	
	9/14/2004	11	35	<0.5	<0.5	<0.5	
	12/28/2004	<5	<0.5	<0.5	<0.5	<0.5	
	3/29/2005	<5	29	<1	<1	<1	
	6/28/2005	<5	41	<0.5	<0.5	<0.5	
<b>MW-11</b>	7/11/2000	ND	12	ND	ND	ND	
	9/29/2000	ND	33	ND	ND	ND	
	12/7/2000	ND	<2.5	ND	ND	ND	
	3/6/2001	ND	<2.0	ND	ND	ND	
	6/21/2001	ND	<25	ND	ND	ND	
	9/18/2001	ND	<25	ND	ND	ND	
	12/19/2001	ND	<5	ND	ND	ND	
	3/20/2002	ND	<1	ND	ND	ND	
	6/20/2002	ND	6	ND	ND	ND	
	9/20/2002	ND	<5	ND	ND	ND	
	12/31/2002	ND	<1	ND	ND	ND	
	3/25/2003	<200	<1	<1	<1	<1	
	7/1/2003	<200	<1	<1	<1	<1	
	10/2/2003	<200	<1	<1	<1	<1	
	12/9/2003	<5	<1	<1	<1	<1	
	3/2/2004	<5	1	<1	<1	<1	
	6/8/2004	<1	<1	<1	<1	<1	
	9/14/2004	<5	<0.5	<0.5	<0.5	<0.5	
	12/28/2004	<5	<0.5	<0.5	<0.5	<0.5	
	3/29/2005	<5	<0.5	<0.5	<0.5	<0.5	
	6/28/2005	<5	<0.5	<0.5	<0.5	<0.5	

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
<b>MW-12</b>	7/11/2000	ND	3.3	ND	ND	ND	
	9/29/2000	ND	4.7	ND	ND	ND	
	12/7/2000	ND	---	ND	ND	ND	
	3/6/2001	ND	---	ND	ND	ND	
	6/21/2001	ND	<25	ND	ND	ND	
	9/18/2001	ND	11	ND	ND	ND	
	12/19/2001	ND	22	ND	ND	ND	
	3/20/2002	ND	8	ND	ND	ND	
	6/20/2002	ND	14	ND	ND	ND	
	9/20/2002	ND	36	ND	ND	ND	
	12/31/2002	ND	---	ND	ND	ND	
	3/25/2003	<200	8	<1	<1	<1	
	7/1/2003	<200	6	<1	<1	<1	
	10/2/2003	<200	27	<1	<1	<1	
	12/9/2003	<5	14	<1	<1	<1	
	3/2/2004	9	7	<1	<1	<1	
	6/8/2004	<1	1.5	<1	<1	<1	
<b>MW-13</b>	9/14/2004	<5	2	<0.5	<0.5	<0.5	
	12/28/2004	<5	<0.5	<0.5	<0.5	<0.5	
	3/29/2005	<5	0.6	<0.5	<0.5	<0.5	
	6/28/2005	8	0.9	<0.5	<0.5	<0.5	
	8/8/2000	ND	ND	ND	ND	ND	
	9/29/2000	ND	<5.0	ND	ND	ND	
	12/7/2000	ND	<2.5	ND	ND	ND	
	3/6/2001	ND	<2.0	ND	ND	ND	
	6/21/2001	ND	<25	ND	ND	ND	
	9/18/2001	ND	<50	ND	ND	ND	
	12/19/2001	21	<5	ND	ND	ND	
	3/20/2002	ND	<1	ND	ND	ND	
	6/20/2002	ND	10	ND	ND	ND	
	9/20/2002	ND	<5	ND	ND	ND	
	12/31/2002	21	<1	ND	ND	ND	
	3/25/2003	<200	<1	<1	<1	<1	
	7/1/2003	<200	<1	<1	<1	<1	

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
<b>MW-13 cont.</b>	10/2/2003	<200	<1	<1	<1	<1	
	12/9/2003	<5	<1	<1	<1	<1	
	3/2/2004	6	2	<1	<1	<1	
	6/8/2004	<1	<1	<1	<1	<1	
	9/14/2004	<5	<0.5	<0.5	<0.5	<0.5	
	12/28/2004	<5	<0.5	<0.5	<0.5	<0.5	
	3/29/2005	<5	<0.5	<0.5	<0.5	<0.5	
	<b>6/28/2005</b>	<b>17</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	
<b>MW-14</b>	3/20/2002	ND	6	ND	ND	ND	
	6/20/2002	ND	52	ND	ND	ND	
	9/20/2002	32	75	ND	ND	ND	
	12/31/2002	86	140	ND	ND	ND	
	3/25/2003	<200	63	<1	<1	<1	
	7/1/2003	<200	52	<1	<1	<1	
	10/2/2003	<200	25	<1	<1	<1	
	12/9/2003	11	22	<1	<1	<1	
	3/2/2004	61	7	<1	<1	<1	
	6/8/2004	<1	<1	<1	<1	<1	
	9/14/2004	<5	<0.5	<0.5	<0.5	<0.5	
	12/28/2004	14	<0.5	<0.5	<0.5	<0.5	
	3/29/2005	25	0.6	<0.5	<0.5	<0.5	
	<b>6/28/2005</b>	<b>9</b>	<b>0.8</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	
<b>MW-15 @ 30'</b>	5/4/2005	2,100	22,000	5	<5	59	
	<b>5/27/2005</b>	<b>2,600</b>	<b>23,000</b>	<b>0.8</b>	<b>5.5</b>	<b>50</b>	
<b>MW-15 @ 60'</b>	5/4/2005	7	59	<0.5	<0.5	0.6	
	<b>5/27/2005</b>	<b>&lt;5</b>	<b>33</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	
<b>MW-15 @ 83'</b>	5/4/2005	<5	7.3	<0.5	<0.5	0.6	
	<b>5/27/2005</b>	<b>&lt;5</b>	<b>68</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	
<b>MW-15 @ 140'</b>	5/4/2005	2,100	19,000	<5	<5	52	
	<b>5/27/2005</b>	<b>2,500</b>	<b>20,000</b>	<b>&lt;5</b>	<b>&lt;5</b>	<b>55</b>	

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
<b>MW-16</b>	5/3/2005	51	120	<0.5	<0.5	0.6	
	6/27/2005	93	83	<0.5	<0.5	<0.5	
<b>MW-17</b>	5/3/2005	<5	32	<0.5	<0.5	<0.5	
	6/28/2005	<5	35	<0.5	<0.5	<0.5	
<b>DW-1020</b>	6/30/1999	ND	<5.0	ND	ND	ND	
	10/1/1999	ND	<5.0	ND	ND	ND	
	1/5/2000	ND	<5.0	ND	ND	ND	
	2/8/2000	ND	<2.0	ND	ND	ND	
	3/28/2000	ND	<0.5	ND	ND	ND	
	4/21/2000	ND	<2.0	ND	ND	ND	
	5/26/2000	ND	<0.5	ND	ND	ND	
	6/26/2000	ND	<2.0	ND	ND	ND	
	7/21/2000	ND	<2.0	ND	ND	ND	
	8/29/2000	ND	<2.0	ND	ND	ND	
	9/29/2000	ND	<2.0	ND	ND	ND	
	10/3/2000	ND	<2.0	ND	ND	ND	
	12/7/2000	ND	2	ND	ND	ND	
	12/29/2000	ND	<2.0	ND	ND	ND	
	1/5/2001	ND	<2.0	ND	ND	ND	
	1/5/2001	ND	<5.0	ND	ND	ND	
	1/29/2001	ND	<5.0	ND	ND	ND	
	2/9/2001	ND	<5.0	ND	ND	ND	
	2/22/2001	ND	<2.0	ND	ND	ND	
	2/28/2001	ND	<5.0	ND	ND	ND	
	3/6/2001	ND	<2.0	ND	ND	ND	
	4/6/2001	ND	<5.0	ND	ND	ND	
	5/14/2001	ND	<5.0	ND	ND	ND	
	6/21/2001	ND	<5.0	ND	ND	ND	
	7/13/2001	ND	<5.0	ND	ND	ND	
	8/22/2001	ND	<5.0	ND	ND	ND	
	9/18/2001	ND	<5.0	ND	ND	ND	
	10/8/2001	ND	<5	ND	ND	ND	

Table 3. Analytical Results for Ground Water - Oxygenates - Redwood Oil Service Station, 1100 Bennett Valley Road, Santa Rosa, California

Sample ID	Sample Date	t-Butyl alcohol (TBA)	Methyl t-butyl ether (MTBE)	Diisopropyl ether (DIPE)	Ethyl t-butyl ether (ETBE)	t-Amyl methyl ether (TAME)	Notes
		<-----ppb----->					
<b>DW-1020</b> <b>cont.</b>	11/20/2001	ND	<5	ND	ND	ND	
	12/19/2001	ND	<5	ND	ND	ND	
	1/15/2002	ND	<1	ND	ND	ND	
	2/14/2002	ND	<2.0	ND	ND	ND	
	3/20/2002	ND	<1	ND	ND	ND	
	4/11/2002	ND	<5	ND	ND	ND	
	5/15/2002	ND	<5	ND	ND	ND	
	6/20/2002	ND	<1	ND	ND	ND	
	7/10/2002	ND	<5	ND	ND	ND	
	8/8/2002	ND	<5	ND	ND	ND	
	9/20/2002	ND	<5	ND	ND	ND	
	12/31/2002	ND	<1	ND	ND	ND	
	3/25/2003	<200	<1	<1	<1	<1	
	7/1/2003	<200	<1	<1	<1	<1	
	10/2/2003	<200	<1	<1	<1	<1	
	12/9/2003	<5	<1	<1	<1	<1	
	3/2/2004	<5	<1	<1	<1	<1	
	6/8/2004	<1	<1	<1	<1	<1	
	9/14/2004	<5	<0.5	<0.5	<0.5	<0.5	
	12/28/2004	<5	<0.5	<0.5	<0.5	<0.5	
	3/29/2005	<5	<0.5	<0.5	<0.5	<0.5	
	<b>6/27/2005</b>	<b>&lt;5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	
	<b>7/25/2005</b>	<b>&lt;5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	

Explanation:

ppb = parts per billion

**APPENDIX B**  
**TABLES**

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

July 15, 2005

Jim Green, Project Manager  
ECM Group  
P.O. Box 802  
Benicia, CA 94510

Dear Mr. Green:

Included are the results from the testing of material submitted on July 1, 2005 from the Bennett Valley, 98-511-14, F&BI 507003 project. There are 37 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

*Charlene Morrow*

Charlene Morrow  
Chemist

Enclosures  
ECM0715R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 1, 2005 by Friedman & Bruya, Inc. from the ECM Group Bennett Valley, 98-511-14, F&BI 507003 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>ECM Group</u>
507003-01	MW-4
507003-02	MW-5
507003-03	MW-6
507003-04	MW-7
507003-05	MW-8
507003-06	MW-9
507003-07	MW-10
507003-08	MW-11
507003-09	MW-12
507003-10	MW-13
507003-11	MW-14
507003-12	MW-16
507003-13	MW-17
507003-14	MW-15d35
507003-15	MW-15d65
507003-16	MW-15d88
507003-17	MW-15d145
507003-18	DW-1020

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/05

Date Received: 07/01/05

Project: Bennett Valley, 98-511-14, F&BI 507003

Date Extracted: 07/06/05

Date Analyzed: 07/06/05 and 07/07/05

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE  
USING EPA METHOD 8015M**  
Results Reported as µg/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u> (C <sub>6</sub> -C <sub>10</sub> )	Surrogate (% Recovery) (Limit 52-150)
MW-4 507003-01	430	94
MW-5 d 507003-02	120,000	92
MW-6 507003-03	6,000	130
MW-7 507003-04	840	99
MW-8 507003-05	590	96
MW-9 507003-06	100	93
MW-10 507003-07	100	93
MW-11 507003-08	<100	90
MW-12 507003-09	1,700	118
MW-13 507003-10	1,700	101

d - The sample was diluted.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/05

Date Received: 07/01/05

Project: Bennett Valley, 98-511-14, F&BI 507003

Date Extracted: 07/06/05

Date Analyzed: 07/06/05 and 07/07/05

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE  
USING EPA METHOD 8015M**  
Results Reported as  $\mu\text{g/L}$  (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u> (C <sub>6</sub> -C <sub>10</sub> )	Surrogate (% Recovery) (Limit 52-150)
MW-14 507003-11	450	93
MW-16 507003-12	460	93
MW-17 507003-13	110	90
MW-15d35 d 507003-14	100,000	94
MW-15d65 507003-15	1,900	94
MW-15d88 507003-16	8,300	103
MW-15d145 d 507003-17	93,000	95
DW-1020 507003-18	<100	91
Method Blank	<100	93

d - The sample was diluted.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/05

Date Received: 07/01/05

Project: Bennett Valley, 98-511-14, F&BI 507003

Date Extracted: 07/01/05

Date Analyzed: 07/11/05 and 07/12/05

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL  
USING EPA METHOD 8015M**

**Sample Extracts Passed Through a  
Silica Gel Column Prior to Analysis**

Results Reported as µg/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C <sub>10</sub> -C <sub>25</sub> )	Surrogate <u>(% Recovery)</u> (Limit 68-143)
MW-4 507003-01	<50	75
MW-5 507003-02	4,900	89
MW-6 507003-03	270	85
MW-7 507003-04	<50	75
MW-8 507003-05	<50	79
MW-9 507003-06	<50	99
MW-10 507003-07	<50	74
MW-11 507003-08	<50	113
MW-12 507003-09	<50	107
MW-13 507003-10	<50	69
MW-14 507003-11	<50	76

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/05

Date Received: 07/01/05

Project: Bennett Valley, 98-511-14, F&BI 507003

Date Extracted: 07/01/05

Date Analyzed: 07/11/05 and 07/12/05

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL  
USING EPA METHOD 8015M**

**Sample Extracts Passed Through a  
Silica Gel Column Prior to Analysis**

Results Reported as µg/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C <sub>10</sub> -C <sub>25</sub> )	Surrogate <u>(% Recovery)</u> (Limit 68-143)
MW-16 507003-12	<50	72
MW-17 507003-13	<50	78
MW-15d35 d 507003-14	320,000	103
MW-15d65 507003-15	<50	32 ip
MW-15d88 507003-16	<50	78
MW-15d145 d 507003-17	240,000	89
DW-1020 507003-18	<50	78
Method Blank	<50	112

d - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-4	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/06/05	Lab ID:	507003-01
Date Analyzed:	07/06/05	Data File:	070606.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	102	50	150
1,2-Dichloroethane-d4	112	50	150
Toluene-d8	100	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	59
Methyl t-butyl ether (MTBE)	130
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	0.7
Benzene	2.0
Toluene	3.1
Ethylbenzene	1
m,p-Xylene	<2
o-Xylene	0.5

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-5	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/06/05	Lab ID:	507003-02
Date Analyzed:	07/07/05	Data File:	070620.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	68	50	150
1,2-Dichloroethane-d4	80	50	150
Toluene-d8	84	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	980
Methyl t-butyl ether (MTBE)	500 ve
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	12
Benzene	1,200 ve
Toluene	990 ve
Ethylbenzene	540 ve
m,p-Xylene	1,000 ve
o-Xylene	700 ve

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-5	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/06/05	Lab ID:	507003-02 1/200
Date Analyzed:	07/06/05	Data File:	070608.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	97	50	150
1,2-Dichloroethane-d4	108	50	150
Toluene-d8	84	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	620
Benzene	30,000
Toluene	7,000
Ethylbenzene	3,200
m,p-Xylene	9,000
o-Xylene	2,800

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-6	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/06/05	Lab ID:	507003-03
Date Analyzed:	07/07/05	Data File:	070617.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	85	50	150
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	95	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	110
Methyl t-butyl ether (MTBE)	28
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	650 ve
Toluene	90
Ethylbenzene	220
m,p-Xylene	300
o-Xylene	75

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-6	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/05/05	Lab ID:	507003-03 1/10
Date Analyzed:	07/06/05	Data File:	070537.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	90	50	150
1,2-Dichloroethane-d4	105	50	150
Toluene-d8	88	50	150

Compounds:	Concentration ug/L (ppb)
Benzene	1,400

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-7	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/06/05	Lab ID:	507003-04
Date Analyzed:	07/07/05	Data File:	070618.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	87	50	150
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	88	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	47
Methyl t-butyl ether (MTBE)	1.7
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	180
Toluene	11
Ethylbenzene	18
m,p-Xylene	14
o-Xylene	3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: MW-8  
Date Received: 07/01/05  
Date Extracted: 07/05/05  
Date Analyzed: 07/06/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-14, F&BI 507003  
Lab ID: 507003-05  
Data File: 070517.D  
Instrument: GCMS5  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	139	50	150
1,2-Dichloroethane-d4	146	50	150
Toluene-d8	120	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	2.8
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	0.8
Benzene	100
Toluene	47
Ethylbenzene	16
m,p-Xylene	46
o-Xylene	15

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-9	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/05/05	Lab ID:	507003-06
Date Analyzed:	07/06/05	Data File:	070518.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	138	50	150
1,2-Dichloroethane-d4	148	50	150
Toluene-d8	134	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	7.1
Toluene	4.7
Ethylbenzene	2.1
m,p-Xylene	6.0
o-Xylene	1.7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-10	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/05/05	Lab ID:	507003-07
Date Analyzed:	07/06/05	Data File:	070519.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	137	50	150
1,2-Dichloroethane-d4	145	50	150
Toluene-d8	129	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	41
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	8.1
Toluene	5.5
Ethylbenzene	2.2
m,p-Xylene	6.5
o-Xylene	1.8

**FRJEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

**Analysis For Volatile Compounds By EPA Method 8260B SIM**

Client Sample ID:	MW-11	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/05/05	Lab ID:	507003-08
Date Analyzed:	07/06/05	Data File:	070520.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	137	50	150
1,2-Dichloroethane-d4	146	50	150
Toluene-d8	129	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	6.5
Toluene	4.6
Ethylbenzene	1.9
m,p-Xylene	5.7
o-Xylene	1.6

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-12	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/05/05	Lab ID:	507003-09
Date Analyzed:	07/06/05	Data File:	070521.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	120	50	150
1,2-Dichloroethane-d4	128	50	150
Toluene-d8	120	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	8
Methyl t-butyl ether (MTBE)	0.9
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	330 ve
Toluene	12
Ethylbenzene	58
m,p-Xylene	11
o-Xylene	2.2

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: MW-12  
Date Received: 07/01/05  
Date Extracted: 07/05/05  
Date Analyzed: 07/06/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-14, F&BI 507003  
Lab ID: 507003-09 1/10  
Data File: 070539.D  
Instrument: GCMS5  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	96	50	150
1,2-Dichloroethane-d4	106	50	150
Toluene-d8	98	50	150

Compounds:	Concentration ug/L (ppb)
Benzene	460

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-13	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/05/05	Lab ID:	507003-10
Date Analyzed:	07/06/05	Data File:	070522.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	126	50	150
1,2-Dichloroethane-d4	136	50	150
Toluene-d8	123	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	17
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	350 ve
Toluene	42
Ethylbenzene	74
m,p-Xylene	110
o-Xylene	40

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

## FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

## Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: MW-13 Client: ECM Group  
Date Received: 07/01/05 Project: 98-511-14, F&BI 507003  
Date Extracted: 07/05/05 Lab ID: 507003-10 1/10  
Date Analyzed: 07/06/05 Data File: 070540.D  
Matrix: water Instrument: GCMS5  
Units: ug/L (ppb) Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	97	50	150
1,2-Dichloroethane-d4	111	50	150
Toluene-d8	89	50	150
Compounds:	Concentration ug/L (ppb)		
Benzene	640		

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-14	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/05/05	Lab ID:	507003-11
Date Analyzed:	07/06/05	Data File:	070535.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	93	50	150
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	94	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	9
Methyl t-butyl ether (MTBE)	0.8
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	72
Toluene	25
Ethylbenzene	13
m,p-Xylene	23
o-Xylene	9.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-16	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/05/05	Lab ID:	507003-12
Date Analyzed:	07/06/05	Data File:	070524.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	124	50	150
1,2-Dichloroethane-d4	136	50	150
Toluene-d8	116	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	93
Methyl t-butyl ether (MTBE)	83
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	80
Toluene	37
Ethylbenzene	12
m,p-Xylene	33
o-Xylene	11

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-17	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/05/05	Lab ID:	507003-13
Date Analyzed:	07/06/05	Data File:	070530.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	136	50	150
1,2-Dichloroethane-d4	146	50	150
Toluene-d8	129	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	35
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	15
Toluene	8.8
Ethylbenzene	2.7
m,p-Xylene	8.8
o-Xylene	2.6

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: MW-15d35  
Date Received: 07/01/05  
Date Extracted: 07/05/05  
Date Analyzed: 07/06/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-14, F&BI 507003  
Lab ID: 507003-14  
Data File: 070531.D  
Instrument: GCMS5  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	99	50	150
1,2-Dichloroethane-d4	124	50	150
Toluene-d8	97	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	1,900 ve
Methyl t-butyl ether (MTBE)	3,000 ve
Ethyl t-butyl ether (ETBE)	5.5
Diisopropyl ether (DIPE)	0.8
t-Amyl methyl ether (TAME)	50
Benzene	1,300 ve
Toluene	1,700 ve
Ethylbenzene	400 ve
m,p-Xylene	780 ve
o-Xylene	670 ve

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	MW-15d35	Client:	ECM Group
Date Received:	07/01/05	Project:	98-511-14, F&BI 507003
Date Extracted:	07/06/05	Lab ID:	507003-14 1/200
Date Analyzed:	07/06/05	Data File:	070607.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	97	50	150
1,2-Dichloroethane-d4	111	50	150
Toluene-d8	85	50	150

Compounds:	Concentration ug/L (ppb)
t-Butyl alcohol (TBA)	2,600
Methyl t-butyl ether (MTBE)	23,000
Benzene	22,000
Toluene	22,000
Ethylbenzene	940
m,p-Xylene	3,500
o-Xylene	1,900

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: MW-15d65  
Date Received: 07/01/05  
Date Extracted: 07/06/05  
Date Analyzed: 07/07/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-14, F&BI 507003  
Lab ID: 507003-15  
Data File: 070619.D  
Instrument: GCMS5  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	95	50	150
1,2-Dichloroethane-d4	107	50	150
Toluene-d8	85	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	33
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	360 ve
Toluene	370 ve
Ethylbenzene	26
m,p-Xylene	85
o-Xylene	35

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: MW-15d65

Client: ECM Group

Date Received: 07/01/05

Project: 98-511-14, F&BI 507003

Date Extracted: 07/05/05

Lab ID: 507003-15 1/5

Date Analyzed: 07/06/05

Data File: 070541.D

Matrix: water

Instrument: GCMS5

Units: ug/L (ppb)

Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	100	50	150
1,2-Dichloroethane-d4	117	50	150
Toluene-d8	91	50	150

Compounds:	Concentration ug/L (ppb)
Benzene	470
Toluene	450

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: MW-15d88  
Date Received: 07/01/05  
Date Extracted: 07/05/05  
Date Analyzed: 07/06/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-14, F&BI 507003  
Lab ID: 507003-16  
Data File: 070533.D  
Instrument: GCMS5  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	128	50	150
1,2-Dichloroethane-d4	143	50	150
Toluene-d8	128	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	68
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	770 ve
Toluene	710 ve
Ethylbenzene	99
m,p-Xylene	280 ve
o-Xylene	150

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: MW-15d88  
Date Received: 07/01/05  
Date Extracted: 07/06/05  
Date Analyzed: 07/07/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-14, F&BI 507003  
Lab ID: 507003-16 1/20  
Data File: 070638.D  
Instrument: GCMS5  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	95	50	150
1,2-Dichloroethane-d4	107	50	150
Toluene-d8	87	50	150

Compounds:	Concentration ug/L (ppb)
Benzene	1,900
Toluene	1,500
m,p-Xylene	290

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: MW-15d145  
Date Received: 07/01/05  
Date Extracted: 07/05/05  
Date Analyzed: 07/06/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-14, F&BI 507003  
Lab ID: 507003-17 1/10  
Data File: 070543.D  
Instrument: GCMS5  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	81	50	150
1,2-Dichloroethane-d4	95	50	150
Toluene-d8	84	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<10,000
t-Butyl alcohol (TBA)	2,500
Methyl t-butyl ether (MTBE)	14,000 ve
Ethyl t-butyl ether (ETBE)	<5
Diisopropyl ether (DIPE)	<5
t-Amyl methyl ether (TAME)	55
Benzene	8,300 ve
Toluene	8,400 ve
Ethylbenzene	1,100
m,p-Xylene	3,400 ve
o-Xylene	2,300

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: MW-15d145  
Date Received: 07/01/05  
Date Extracted: 07/06/05  
Date Analyzed: 07/06/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-14, F&BI 507003  
Lab ID: 507003-17 1/200  
Data File: 070609.D  
Instrument: GCMS5  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	96	50	150
1,2-Dichloroethane-d4	109	50	150
Toluene-d8	84	50	150

Compounds:	Concentration ug/L (ppb)
Methyl t-butyl ether (MTBE)	20,000
Benzene	20,000
Toluene	20,000
m,p-Xylene	3,000

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: DW-1020

Client: ECM Group

Date Received: 07/01/05

Project: 98-511-14, F&BI 507003

Date Extracted: 07/05/05

Lab ID: 507003-18

Date Analyzed: 07/06/05

Data File: 070536.D

Matrix: water

Instrument: GCMS5

Units: ug/L (ppb)

Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	98	50	150
1,2-Dichloroethane-d4	106	50	150
Toluene-d8	102	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	0.6
Toluene	0.9
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: Method Blank  
Date Received: Not Applicable  
Date Extracted: 07/05/05  
Date Analyzed: 07/05/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-14, F&BI 507003  
Lab ID: 05-887 mb  
Data File: 070516.D  
Instrument: GCMS5  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	138	50	150
1,2-Dichloroethane-d4	145	50	150
Toluene-d8	134	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: Method Blank  
Date Received: Not Applicable  
Date Extracted: 07/06/05  
Date Analyzed: 07/06/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-14, F&BI 507003  
Lab ID: 05-889 mb  
Data File: 070605.D  
Instrument: GCMS5  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	109	50	150
1,2-Dichloroethane-d4	115	50	150
Toluene-d8	100	50	150

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/05

Date Received: 07/01/05

Project: Bennett Valley, 98-511-14, F&BI 507003

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER  
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE  
USING EPA METHOD 8015M**

Laboratory Code: 507003-18 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	µg/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Recovery LCS	Acceptance Criteria
Gasoline	µg/L (ppb)	1,000	90	66-124

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/05

Date Received: 07/01/05

Project: Bennett Valley, 98-511-14, F&BI 507003

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER  
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL  
USING EPA METHOD 8015M**

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel	µg/L (ppb)	2,500	91	94	68-144	3

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 07/15/05

Date Received: 07/01/05

Project: Bennett Valley, 98-511-14, F&BI 507003

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS  
OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B SIM**

Laboratory Code: 507003-12 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Ethanol	µg/L (ppb)	<1,000	<1,000	nm
t-Butyl alcohol (TBA)	µg/L (ppb)	93	98	5
Methyl t-butyl ether (MTBE)	µg/L (ppb)	83	83	0
Diisopropyl ether (DIPE)	µg/L (ppb)	<0.5	<0.5	nm
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	<0.5	<0.5	nm
t-Amyl methyl ether (TAME)	µg/L (ppb)	<0.5	<0.5	nm
Benzene	µg/L (ppb)	80	80	0
Toluene	µg/L (ppb)	37	37	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Ethanol	µg/L (ppb)	500	79	81	70-130	2
t-Butyl alcohol (TBA)	µg/L (ppb)	50	88	89	70-130	1
Methyl t-butyl ether (MTBE)	µg/L (ppb)	10	81	78	70-130	2
Diisopropyl ether (DIPE)	µg/L (ppb)	10	82	78	70-130	4
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	10	83	79	70-130	4
t-Amyl methyl ether (TAME)	µg/L (ppb)	10	81	79	70-130	2
Benzene	µg/L (ppb)	10	77	75	70-130	2
Toluene	µg/L (ppb)	10	82	80	70-130	2

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 07/15/05

Date Received: 07/01/05

Project: Bennett Valley, 98-511-14, F&BI 507003

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS  
OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B SIM**

Laboratory Code: 507009-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent
				Difference (Limit 20)
Ethanol	µg/L (ppb)	<1,000	<1,000	nm
t-Butyl alcohol (TBA)	µg/L (ppb)	<5	<5	nm
Methyl t-butyl ether (MTBE)	µg/L (ppb)	<1	<1	nm
Diisopropyl ether (DIPE)	µg/L (ppb)	<1	<1	nm
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	<1	<1	nm
t-Amyl methyl ether (TAME)	µg/L (ppb)	<1	<1	nm
Benzene	µg/L (ppb)	<1	<1	nm
Toluene	µg/L (ppb)	<1	<1	nm
Ethylbenzene	µg/L (ppb)	<1	<1	nm
m,p-Xylene	µg/L (ppb)	<1	<1	nm
o-Xylene	µg/L (ppb)	<1	<1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery	Percent Recovery	Acceptance Criteria	RPD (Limit 20)
			LCS	LCSD		
Ethanol	µg/L (ppb)	500	125	121	70-130	4
t-Butyl alcohol (TBA)	µg/L (ppb)	50	109	117	70-130	8
Methyl t-butyl ether (MTBE)	µg/L (ppb)	10	108	101	70-130	7
Diisopropyl ether (DIPE)	µg/L (ppb)	10	110	100	70-130	10
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	10	112	101	70-130	11
t-Amyl methyl ether (TAME)	µg/L (ppb)	10	112	102	70-130	10
Benzene	µg/L (ppb)	10	112	103	70-130	9
Toluene	µg/L (ppb)	10	120	113	70-130	7

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

507003

7/1/05

cm  
AO4  
VOL

## SAMPLE CHAIN OF CUSTODY

Send Report To JIM GREENCompany ECM GroupAddress PO Box 802City, State, ZIP Benicia, CA 94510Phone # (707) 751-0655 Fax # (707) 751-0653

SAMPLERS (signature)

PROJECT NAME NO.

98-511-14

PO #

BENNETT VALLEY

REMARKS

\* SUBMIT AS EOF \*

Page # 1 of 2

## TURNAROUND TIME

 Standard (2 Weeks) RUSH

Rush charges authorized by:

## SAMPLE DISPOSAL

 Dispose after 30 days Return samples Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED						Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8260B	Fuel Oxygenates	Lead Scavengers		
MW-4	01A-F	6/27/05	13:25	w	6	X	X	X	X			
MW-5	02A-F	6/27/05	13:40	w	6	X	X	X	X			
MW-6	03A-F	6/27/05	14:25	w	6	X	X	X	X			
MW-7	04A-F	6/28/05	12:05	w	6	X	X	X	X			
MW-8	05A-F	6/27/05	14:00	w	6	X	X	X	X			
MW-9	06A-F	6/28/05	11:45	w	6	X	X	X	X			
MW-10	07A-E	6/28/05	10:35	w	6	X	X	X	X			
MW-11	08A-F	6/28/05	11:10	w	6	X	X	X	X			
MW-12	09A-F	6/28/05	10:15	w	6	X	X	X	X			
MW-13	10A-F	6/28/05	11:30	w	6	X	X	X	X			

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>[Signature]</i>	MICHAEL S. JACKSON	ECM GROUP	6/28/05	
Received by: <i>[Signature]</i>	Stacey Webber	Seattle FBI	7/1/05	10:31
Relinquished by: <i>[Signature]</i>				
Received by: <i>[Signature]</i>				

S07003

7/1/05

CM  
VOC  
AC4

Send Report To JIM GREEN

Company ECM Group

Address PO Box 802

City, State, ZIP Benicia, CA 94510

Phone # (707) 751-0655 Fax # (707) 751-0653

### SAMPLE CHAIN OF CUSTODY

~~SAMPLERS (signature)~~

~~PROJECT NAME/NO.~~

BENNETT VALLEY  
98-511-14

~~PO #~~

~~REMARKS~~

\* SUMMIT AS EDF \*

Page # 2 of 2

#### TURNAROUND TIME

Standard (2 Weeks)

RUSH

Rush charges authorized by:

#### SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED					Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8260B	Fuel Oxygenates	Lead Scavengers	
MW-14	11 A-F	6/28/05	10:55	W	6	X	X	XX			5/28/05
MW-16	12 A-F	6/27/05	14:40	W	6	X	X	XX			6/27/05
MW-17	13 A-F	6/28/05	10:00	W	6	X	X	XX			6/28/05
MW-15 d 35	14 A-F	6/27/05	12:20	W	6	X	X	XX			DIES
MW-15 d 65	15 A-F	6/27/05	12:35	W	6	X	X	XX			DIES
MW-15 d 88	16 A-F	6/27/05	12:50	W	6	X	X	XX			DIES
MW-15 d 145	17 A-F	6/27/05	13:10	W	6	X	X	XX			DIES
BW-1020	18 A-F	6/27/05	14:45	W	6	X	X	XX			

Friedman & Bruya, Inc.  
3012 16th Avenue West  
Seattle, WA 98119-2029  
Ph. (206) 285-8282  
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>Stacey Webster</u>	MICHAEL S. JACKSON	ECM Group	6/28/05	
Received by: <u>Stacey Webster</u>	Stacey Webster	EPA FBI	7/1/05	10:31
Relinquished by: <u>Stacey Webster</u>				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

August 16, 2005

Jim Green, Project Manager  
ECM Group  
P.O. Box 802  
Benicia, CA 94510

Dear Mr. Green:

Included are the results from the testing of material submitted on July 29, 2005 from the Bennett Valley, 98-511-04, F&BI 507288 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

*Charlene Morrow*

Charlene Morrow  
Chemist

Enclosures  
ECM0816R.DOC

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 29, 2005 by Friedman & Bruya, Inc. from the ECM Group Bennett Valley, 98-511-04, F&BI 507288 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>ECM Group</u>
507288-01	DW-1020

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/16/05

Date Received: 07/29/05

Project: Bennett Valley, 98-511-04, F&BI 507288

Date Extracted: 08/02/05

Date Analyzed: 08/02/05

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE  
USING EPA METHOD 8015M**  
Results Reported as  $\mu\text{g}/\text{L}$  (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u> (C <sub>6</sub> -C <sub>10</sub> )	Surrogate (% Recovery) (Limit 52-150)
DW-1020 507288-01	<100	102
Method Blank	<100	101

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID: DW-1020  
Date Received: 07/29/05  
Date Extracted: 08/05/05  
Date Analyzed: 08/05/05  
Matrix: water  
Units: ug/L (ppb)

Client: ECM Group  
Project: 98-511-04, F&BI 507288  
Lab ID: 507288-01  
Data File: 080515.D  
Instrument: GCMS-4  
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	90	53	144
1,2-Dichloroethane-d4	110	51	144
Toluene-d8	94	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B SIM

Client Sample ID:	Method Blank	Client:	ECM Group
Date Received:	Not Applicable	Project:	98-511-04, F&BI 507288
Date Extracted:	08/05/05	Lab ID:	051045 mb
Date Analyzed:	08/05/05	Data File:	080514.D
Matrix:	water	Instrument:	GCMS-4
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	89	53	144
1,2-Dichloroethane-d4	109	51	144
Toluene-d8	94	62	131

Compounds:	Concentration ug/L (ppb)
Ethanol	<1,000
t-Butyl alcohol (TBA)	<5
Methyl t-butyl ether (MTBE)	<0.5
Ethyl t-butyl ether (ETBE)	<0.5
Diisopropyl ether (DIPE)	<0.5
t-Amyl methyl ether (TAME)	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/16/05

Date Received: 07/29/05

Project: Bennett Valley, 98-511-04, F&BI 507288

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER  
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE  
USING EPA METHOD 8015M**

Laboratory Code: 507286-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	µg/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Gasoline	µg/L (ppb)	1,000	80	88	66-124	10

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 08/16/05

Date Received: 07/29/05

Project: Bennett Valley, 98-511-04, F&BI 507288

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS  
OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B SIM**

Laboratory Code: 507288-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Ethanol	µg/L (ppb)	<1,000	<1,000	nm
t-Butyl alcohol (TBA)	µg/L (ppb)	<5	<5	nm
Methyl t-butyl ether (MTBE)	µg/L (ppb)	<0.5	<0.5	nm
Diisopropyl ether (DIPE)	µg/L (ppb)	<0.5	<0.5	nm
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	<0.5	<0.5	nm
t-Amyl methyl ether (TAME)	µg/L (ppb)	<0.5	<0.5	nm
Benzene	µg/L (ppb)	<0.5	<0.5	nm
Toluene	µg/L (ppb)	<0.5	<0.5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Ethanol	µg/L (ppb)	500	87	99	60-131	12
t-Butyl alcohol (TBA)	µg/L (ppb)	50	84	92	65-122	8
Methyl t-butyl ether (MTBE)	µg/L (ppb)	10	84	87	72-135	3
Diisopropyl ether (DIPE)	µg/L (ppb)	10	89	87	72-120	2
Ethyl t-butyl ether (ETBE)	µg/L (ppb)	10	85	84	72-125	1
t-Amyl methyl ether (TAME)	µg/L (ppb)	10	85	86	72-127	1
Benzene	µg/L (ppb)	10	79	76	68-135	0
Toluene	µg/L (ppb)	10	88	86	76-121	2

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

507288

SAMPLE CHAIN OF CUSTODY CM 07-29-05

12

Send Report To JIM GREEN

Company ECM Group

**Address** \_\_\_\_\_ **PO Box 802**

City, State, ZIP Benicia, CA 94510

Phone # (707) 751-0655 Fax # (707) 751-0653

SAMPLERS (signature)		Page # _____ of _____
		TURNAROUND TIME
PROJECT NAME/NO.	PO #	<input checked="" type="checkbox"/> Standard (2 Weeks) <input checked="" type="checkbox"/> RUSH
BENNETT VALLEY 98-511-04		Rush charges authorized by:
REMARKS		SAMPLE DISPOSAL
SUBMIT AS EDF		<input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions

*Friedman & Bruya, Inc.*  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>Michael S. Jackson</i>	MICHAEL S. JACKSON	ECM GROUP	7/26/05	
Received by: <i>Nhan Pham</i>	Nhan Pham	FBI	7/29/05	08:30
Relinquished by:				
Received by:				